

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU081019\  
 Data File : VU033729.D  
 Acq On : 10 Aug 2019 20:30  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD05059

Quant Time: Aug 11 04:28:42 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Aug 11 04:24:38 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 325655   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 318350   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 175903   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 116667   | 48.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 97.34%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 93895    | 39.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 78.16%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 198524   | 49.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 98.50%  |
| 21) 2-Butanone-d5              | 4.14    | 46    | 164252   | 110.52   | ug/L | -0.02   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 110.52% |
| 24) Chloroform-d               | 4.62    | 84    | 184660   | 51.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.70% |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 114529   | 51.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.86% |
| 32) Benzene-d6                 | 5.32    | 84    | 376343   | 50.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.18% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 114851   | 49.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.62%  |
| 41) Toluene-d8                 | 7.55    | 98    | 351004   | 49.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.34%  |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 54799    | 47.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.14%  |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 127080   | 106.41   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 106.41% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 179439   | 52.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 105.22% |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 141563   | 47.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.64%  |

## Target Compounds

|                                |      |     |        |        | Qvalue   |
|--------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane     | 1.20 | 85  | 113041 | 47.583 | ug/L 99  |
| 3) Chloromethane               | 1.32 | 50  | 117713 | 47.839 | ug/L 100 |
| 5) Vinyl chloride              | 1.40 | 62  | 134852 | 49.191 | ug/L 99  |
| 6) Bromomethane                | 1.61 | 94  | 83251  | 37.431 | ug/L 96  |
| 8) Chloroethane                | 1.68 | 64  | 84808  | 40.637 | ug/L 98  |
| 9) Trichlorofluoromethane      | 1.87 | 101 | 183477 | 49.358 | ug/L 98  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 96074  | 49.282 | ug/L 98  |
| 12) 1,1-Dichloroethene         | 2.27 | 96  | 92093  | 48.091 | ug/L 98  |
| 13) Acetone                    | 2.30 | 43  | 124309 | 83.192 | ug/L 96  |
| 14) Carbon disulfide           | 2.46 | 76  | 260918 | 48.536 | ug/L 99  |
| 15) Methyl Acetate             | 2.59 | 43  | 129779 | 52.127 | ug/L 96  |
| 16) Methylene chloride         | 2.68 | 84  | 108027 | 48.618 | ug/L 99  |
| 17) trans-1,2-Dichloroethene   | 2.96 | 96  | 97670  | 47.589 | ug/L 99  |
| 18) Methyl tert-butyl Ether    | 2.98 | 73  | 315243 | 46.962 | ug/L 100 |
| 19) 1,1-Dichloroethane         | 3.42 | 63  | 188351 | 48.630 | ug/L 99  |
| 20) cis-1,2-Dichloroethene     | 4.20 | 96  | 111239 | 47.517 | ug/L 95  |
| 22) 2-Butanone                 | 4.23 | 43  | 185486 | 99.735 | ug/L 99  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU081019\  
 Data File : VU033729.D  
 Acq On : 10 Aug 2019 20:30  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

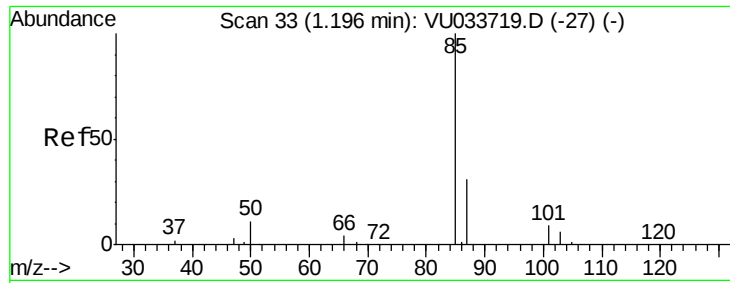
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD05059

Quant Time: Aug 11 04:28:42 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Aug 11 04:24:38 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 23) Bromochloromethane         | 4.52  | 128  | 59395    | 49.310  | ug/L  | 98       |
| 25) Chloroform                 | 4.65  | 83   | 194372   | 48.109  | ug/L  | 97       |
| 27) 1,2-Dichloroethane         | 5.38  | 62   | 151613   | 49.271  | ug/L  | 99       |
| 29) Cyclohexane                | 4.97  | 56   | 153079   | 45.567  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane      | 4.89  | 97   | 166446   | 48.181  | ug/L  | 98       |
| 31) Carbon tetrachloride       | 5.11  | 117  | 146175   | 47.162  | ug/L  | 99       |
| 33) Benzene                    | 5.36  | 78   | 422114   | 47.646  | ug/L  | 100      |
| 34) Trichloroethene            | 6.16  | 95   | 106404   | 45.518  | ug/L  | 95       |
| 35) Methylcyclohexane          | 6.40  | 83   | 167130   | 46.969  | ug/L  | 99       |
| 37) 1,2-Dichloropropane        | 6.41  | 63   | 113140   | 47.852  | ug/L  | 100      |
| 38) Bromodichloromethane       | 6.74  | 83   | 145258   | 47.812  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene    | 7.25  | 75   | 172949   | 46.029  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone       | 7.44  | 43   | 347541   | 98.836  | ug/L  | 100      |
| 42) Toluene                    | 7.62  | 91   | 454094   | 47.378  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene  | 7.86  | 75   | 157006   | 46.906  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane      | 8.05  | 97   | 110166   | 47.663  | ug/L  | 98       |
| 46) Tetrachloroethene          | 8.21  | 164  | 89612    | 46.504  | ug/L  | 96       |
| 48) 2-Hexanone                 | 8.34  | 43   | 280012   | 101.133 | ug/L  | 100      |
| 49) Dibromochloromethane       | 8.46  | 129  | 125042   | 48.281  | ug/L  | 98       |
| 50) 1,2-Dibromoethane          | 8.57  | 107  | 120373   | 47.103  | ug/L  | 100      |
| 51) Chlorobenzene              | 9.10  | 112  | 296307   | 47.031  | ug/L  | 99       |
| 52) Ethylbenzene               | 9.23  | 91   | 494149   | 47.131  | ug/L  | 99       |
| 53) m,p-Xylene                 | 9.36  | 106  | 187843   | 46.935  | ug/L  | 97       |
| 54) o-xylene                   | 9.76  | 106  | 188341   | 47.612  | ug/L  | 96       |
| 55) Styrene                    | 9.77  | 104  | 320767   | 48.323  | ug/L  | 99       |
| 56) Isopropylbenzene           | 10.15 | 105  | 489586   | 47.162  | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 10.44 | 83   | 204930   | 50.471  | ug/L  | 99       |
| 59) 1,2,3-Trichloropropane     | 10.48 | 75   | 159674   | 49.955  | ug/L  | 99       |
| 61) Bromoform                  | 9.94  | 173  | 97950    | 46.387  | ug/L  | 99       |
| 62) 1,3-Dichlorobenzene        | 11.40 | 146  | 248679   | 46.440  | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene        | 11.49 | 146  | 249949   | 46.082  | ug/L  | 99       |
| 65) 1,2-Dichlorobenzene        | 11.86 | 146  | 249954   | 47.216  | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 12.64 | 75   | 49038    | 49.031  | ug/L  | 98       |
| 67) 1,3,5-Trichlorobenzene     | 12.87 | 180  | 189433   | 44.454  | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene     | 13.49 | 180  | 171170   | 44.400  | ug/L  | 98       |
| 69) Naphthalene                | 13.73 | 128  | 545983   | 47.282  | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene     | 13.97 | 180  | 180964   | 45.405  | ug/L  | 98       |

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU081019\
Data File : VU033729.D
Acq On    : 10 Aug 2019   20:30
Operator  : JC/SP
Sample    : VSTDCCC050
Misc      : 5.0mL/MSVOA_U/WATER
ALS Vial  : 25   Sample Multiplier: 1
```



#2

Dichlorodifluoromethane

Concen: 47.583 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Instrument :

MSVOA\_U

ClientSampleId :

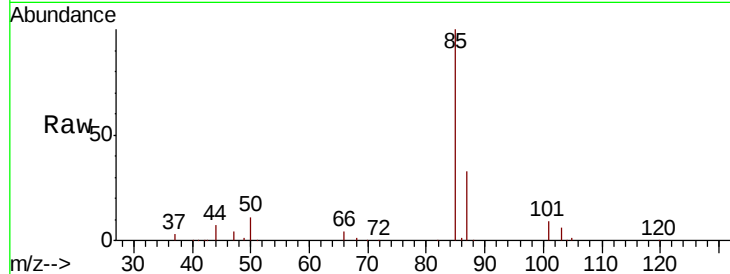
VSTD05059

Tgt Ion: 85 Resp: 113041

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU033719.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU033719.D (-27) (-)

1.20

120000

100000

80000

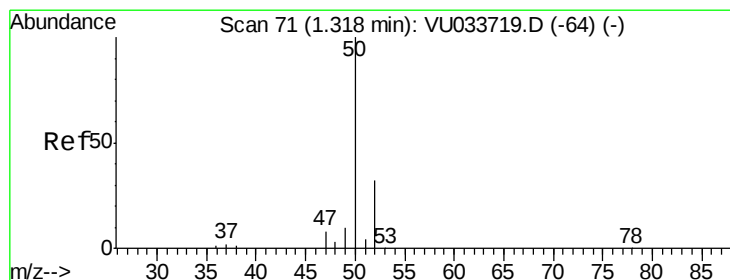
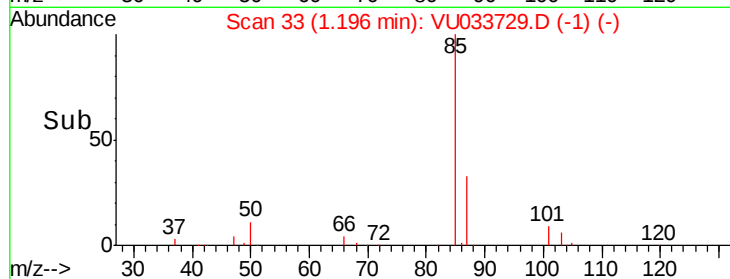
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 47.839 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033729.D

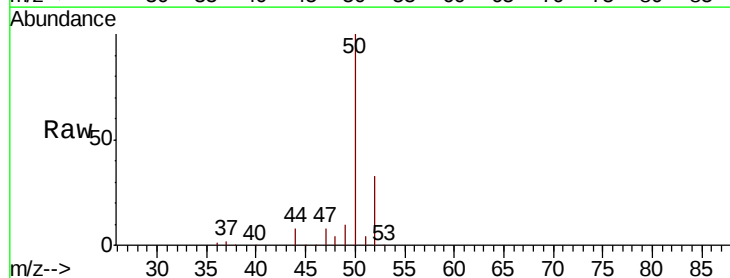
Acq: 10 Aug 2019 20:30

Tgt Ion: 50 Resp: 117713

Ion Ratio Lower Upper

50 100

52 33.1 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU033719.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU033719.D (-64) (-)

1.32

120000

100000

80000

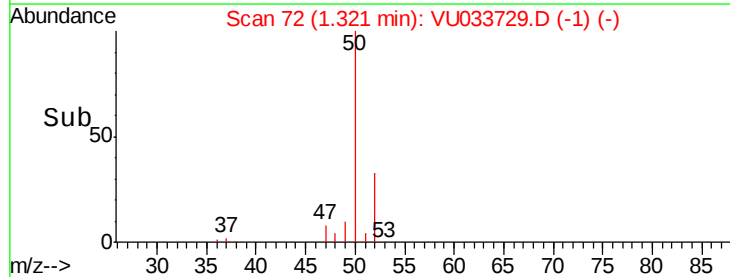
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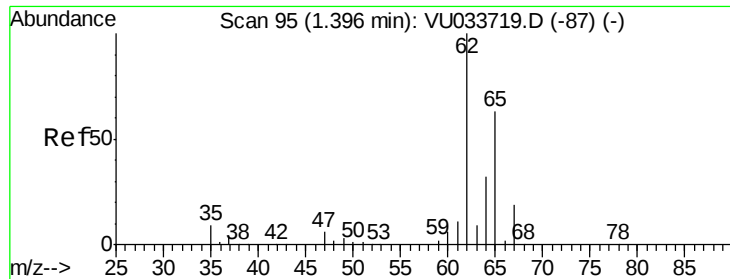
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 49.191 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Instrument :

MSVOA\_U

ClientSampleId :

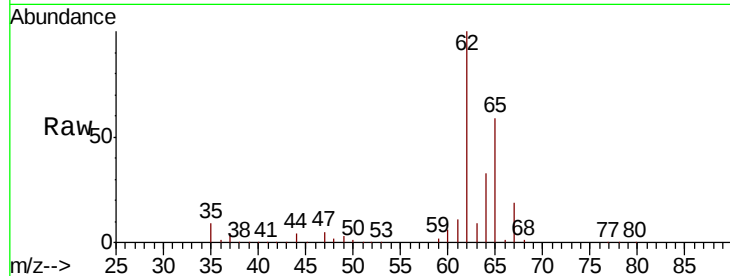
VSTD05059

Tgt Ion: 62 Resp: 134852

Ion Ratio Lower Upper

62 100

64 33.0 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU033719.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU033719.D (-87) (-)

150000

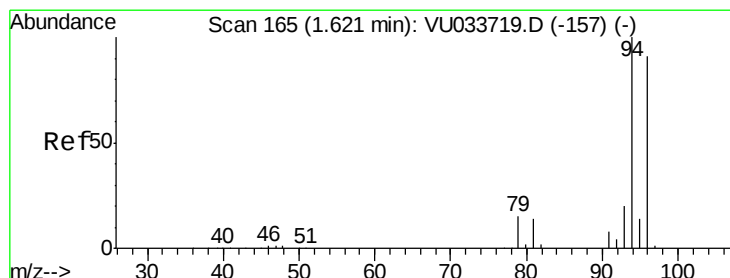
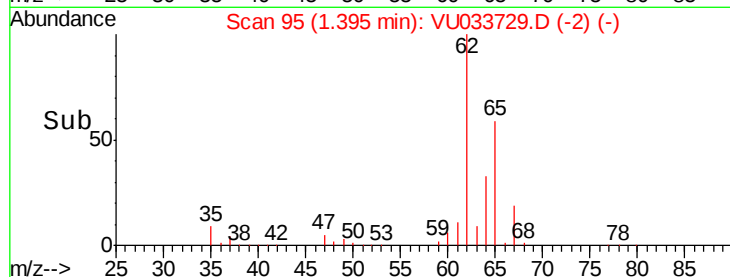
100000

50000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 37.431 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU033729.D

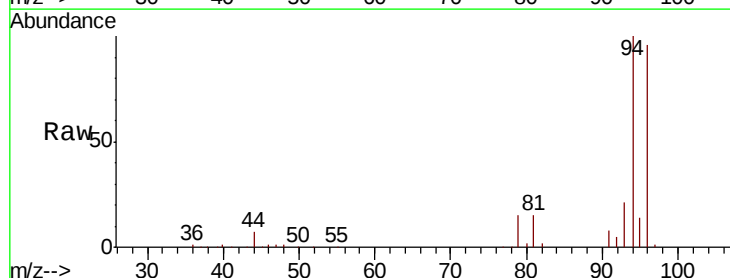
Acq: 10 Aug 2019 20:30

Tgt Ion: 94 Resp: 83251

Ion Ratio Lower Upper

94 100

96 96.2 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU033719.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU033719.D (-157) (-)

60000

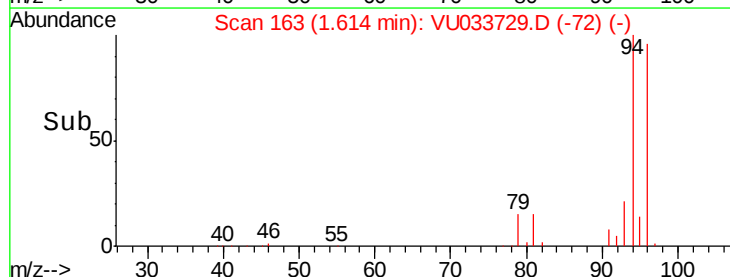
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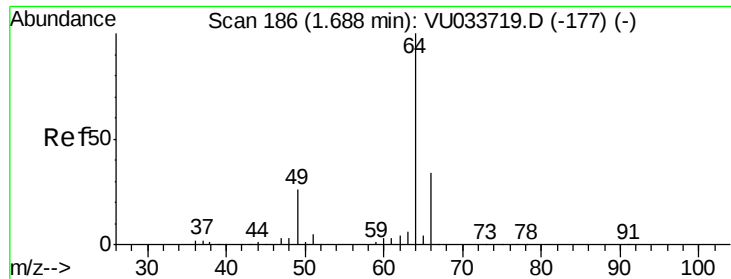
20000

0

1.55 1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 40.637 ug/L

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Instrument :

MSVOA\_U

ClientSampleId :

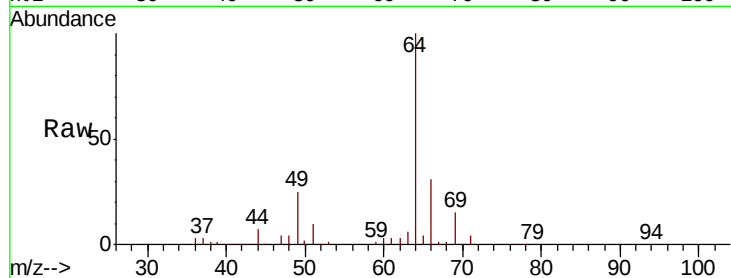
VSTD05059

Tgt Ion: 64 Resp: 84808

Ion Ratio Lower Upper

64 100

66 30.7 22.0 41.0



Abundance Ion 64.00 (63.70 to 64.70): VU033729.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU033729.D (-177) (-)

1.68

60000

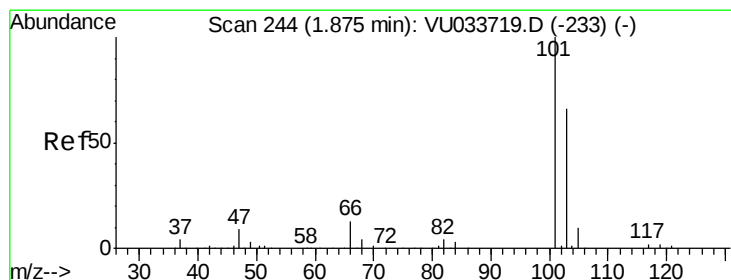
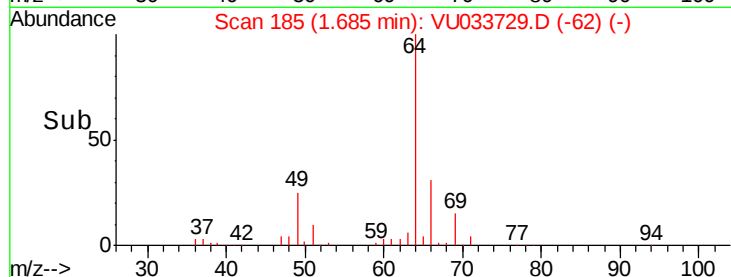
40000

20000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 49.358 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033729.D

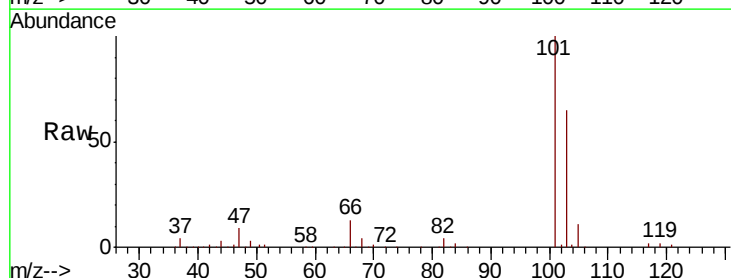
Acq: 10 Aug 2019 20:30

Tgt Ion: 101 Resp: 183477

Ion Ratio Lower Upper

101 100

103 65.2 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU033729.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033729.D (-233) (-)

1.87

150000

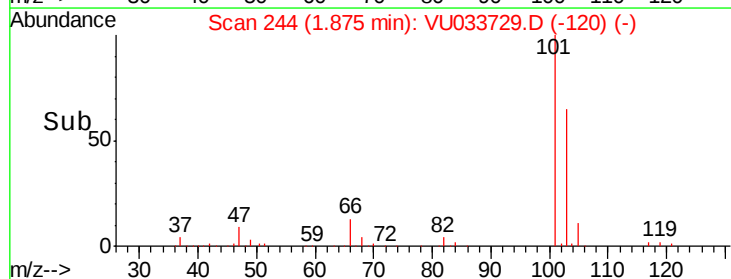
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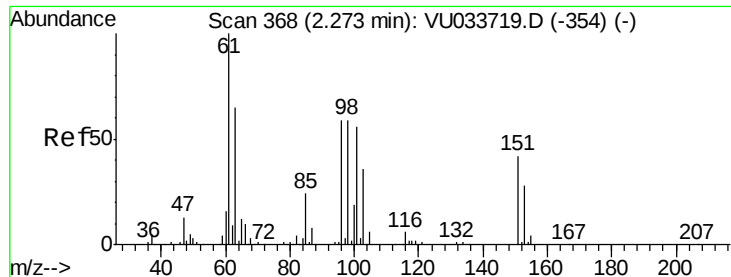
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 49.282 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTD05059

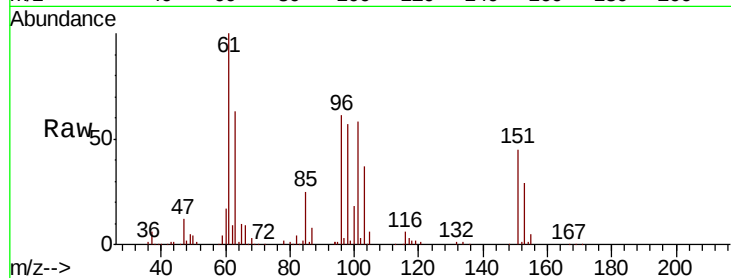
Tgt Ion: 101 Resp: 96074

Ion Ratio Lower Upper

101 100

85 43.5 34.5 51.7

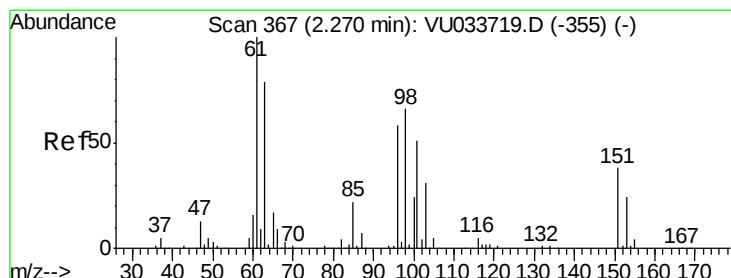
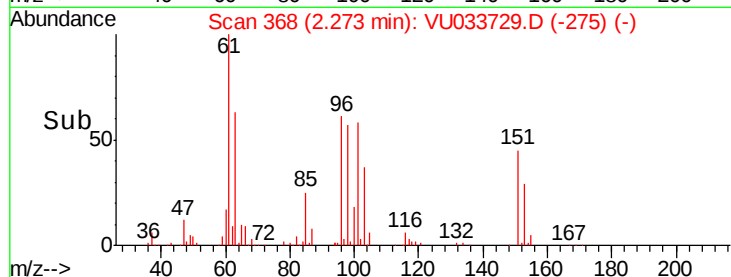
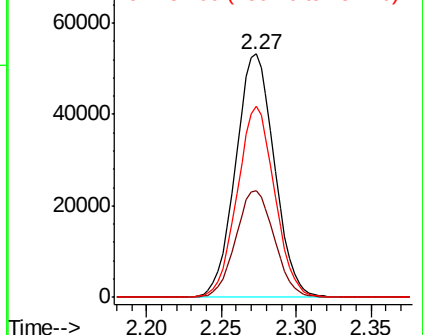
151 75.9 63.0 94.4



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: 48.091 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

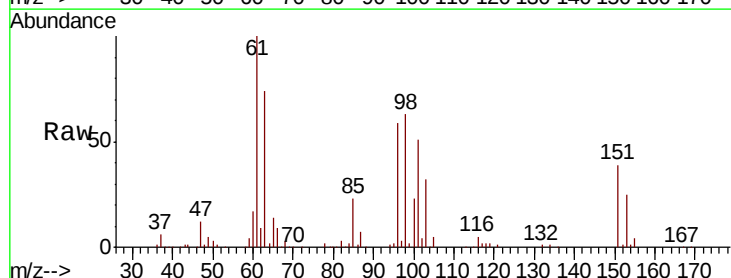
Tgt Ion: 96 Resp: 92093

Ion Ratio Lower Upper

96 100

61 169.4 118.2 219.6

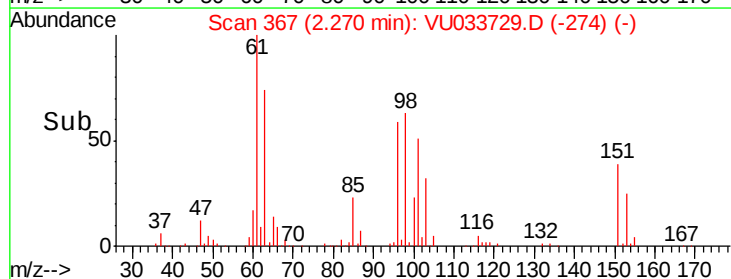
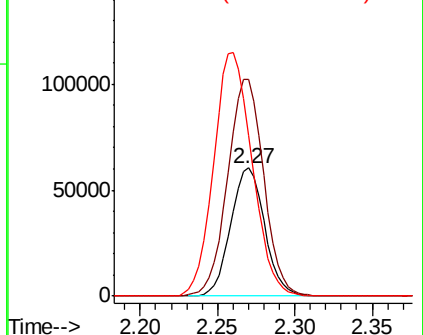
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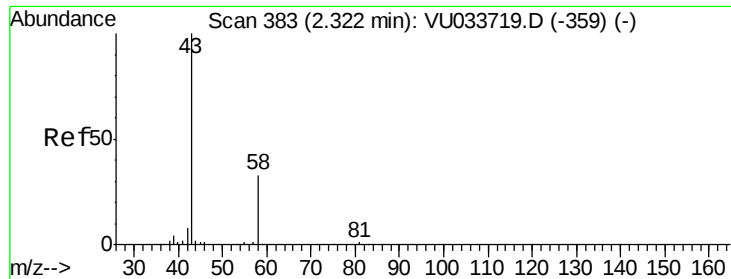


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 83.192 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.02 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Instrument :

MSVOA\_U

ClientSampleId :

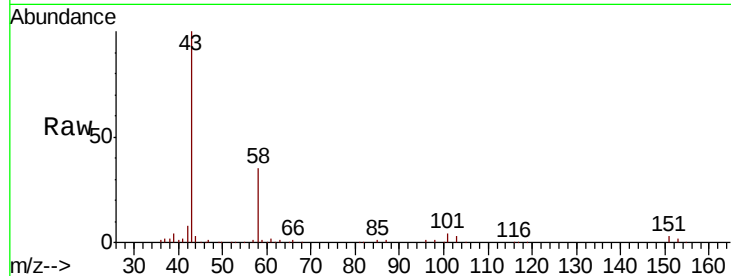
VSTD05059

Tgt Ion: 43 Resp: 124309

Ion Ratio Lower Upper

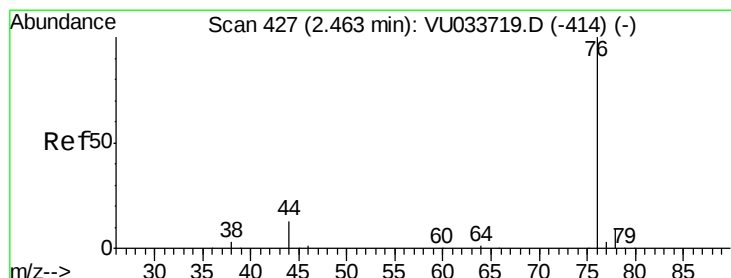
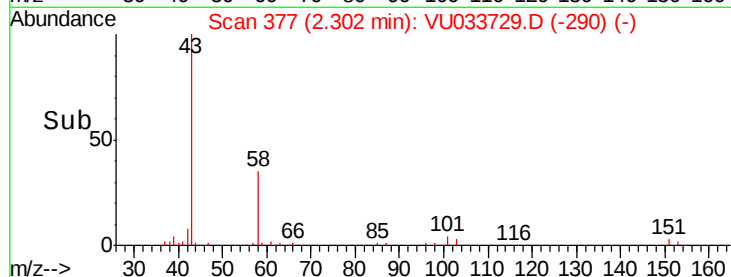
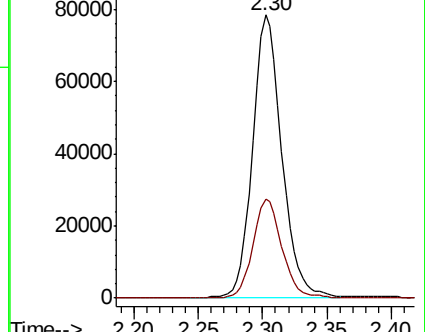
43 100

58 34.9 0.0 65.6



Abundance Ion 43.00 (42.70 to 43.70): VU033729.D (-377) (-)

Ion 58.00 (57.70 to 58.70): VU033729.D (-377) (-)



#14

Carbon disulfide

Concen: 48.536 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033729.D

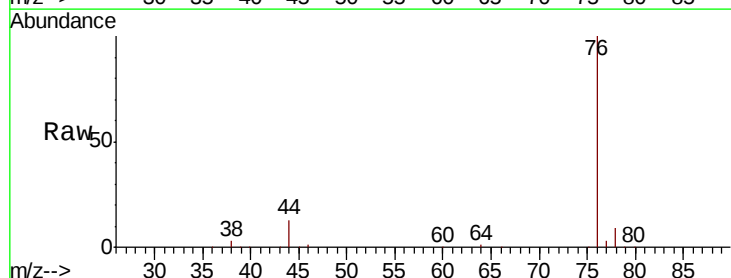
Acq: 10 Aug 2019 20:30

Tgt Ion: 76 Resp: 260918

Ion Ratio Lower Upper

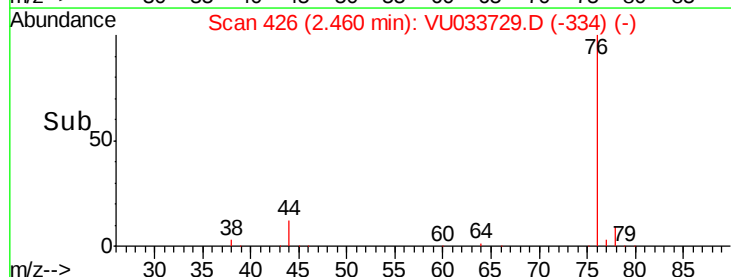
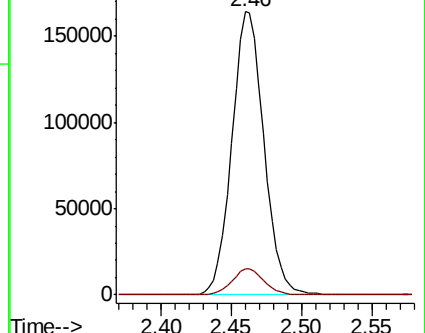
76 100

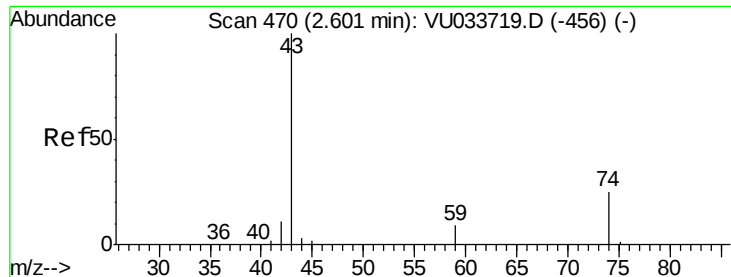
78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU033729.D (-426) (-)

Ion 78.00 (77.70 to 78.70): VU033729.D (-426) (-)





#15

Methyl Acetate

Concen: 52.127 ug/L

RT: 2.59 min Scan# 468

Delta R.T. -0.01 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Instrument :

MSVOA\_U

ClientSampleId :

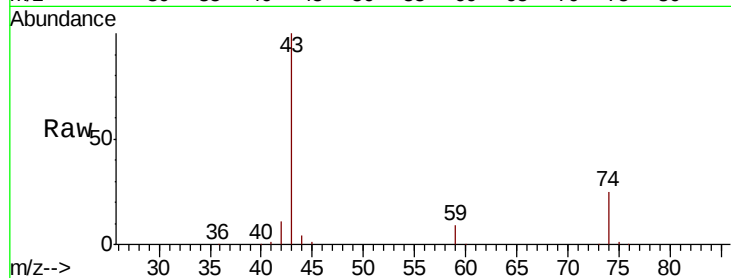
VSTD05059

Tgt Ion: 43 Resp: 129779

Ion Ratio Lower Upper

43 100

74 24.2 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VU033729.D (-468) (-)

Ion 74.00 (73.70 to 74.70): VU033729.D (-468) (-)

2.59

80000

60000

40000

20000

0

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

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Time--> 2.50 2.60 2.70

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Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

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Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

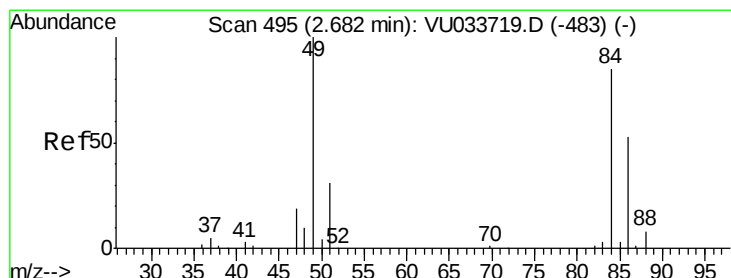
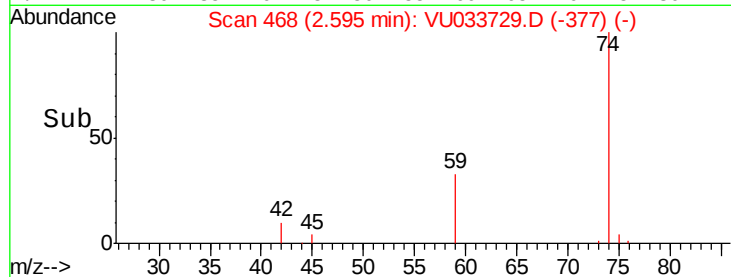
Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70

Time--> 2.50 2.60 2.70



#16

Methylene chloride

Concen: 48.618 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

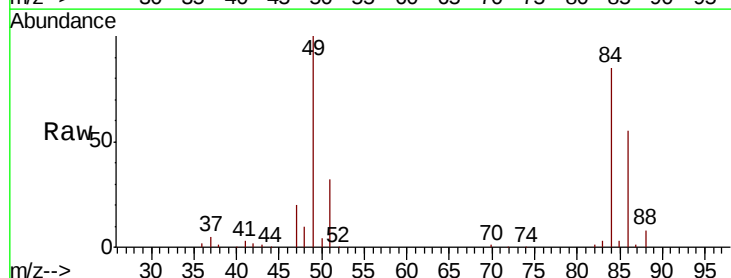
Tgt Ion: 84 Resp: 108027

Ion Ratio Lower Upper

84 100

86 64.3 44.3 82.3

49 117.0 82.3 152.9



Abundance Ion 84.00 (83.70 to 84.70): VU033729.D (-495) (-)

Ion 86.00 (85.70 to 86.70): VU033729.D (-495) (-)

Ion 49.00 (48.70 to 49.70): VU033729.D (-495) (-)

100000

80000

60000

40000

20000

0

Time--> 2.60 2.65 2.70 2.75

Time--> 2.60 2.65 2.70 2.75

Time--> 2.60 2.65 2.70 2.75

Time--> 2.60 2.65 2.70 2.75

Time--> 2.60 2.65 2.70 2.75

Time--> 2.60 2.65 2.70 2.75

Time--> 2.60 2.65 2.70 2.75

Time--> 2.60 2.65 2.70 2.75

Time--> 2.60 2.65 2.70 2.75

Time--> 2.60 2.65 2.70 2.75

Time--> 2.60 2.65 2.70 2.75

Time--> 2.60 2.65 2.70 2.75

Time--> 2.60 2.65 2.70 2.75

Time--> 2.60 2.65 2.70 2.75

Time--> 2.60 2.65 2.70 2.75

Time--> 2.60 2.65 2.70 2.75

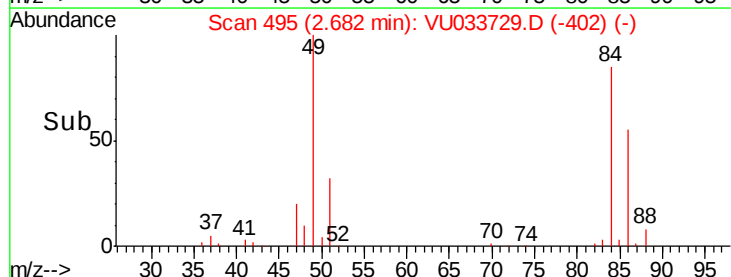
Time--> 2.60 2.65 2.70 2.75

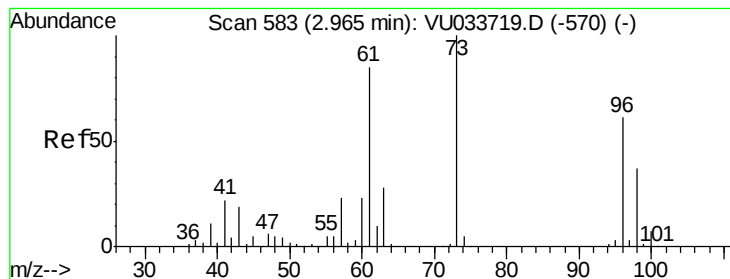
Time--> 2.60 2.65 2.70 2.75

Time--> 2.60 2.65 2.70 2.75

Time--> 2.60 2.65 2.70 2.75

Time--> 2.60 2.65 2.70 2.75





#17

trans-1,2-Dichloroethene

Concen: 47.589 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTD05059

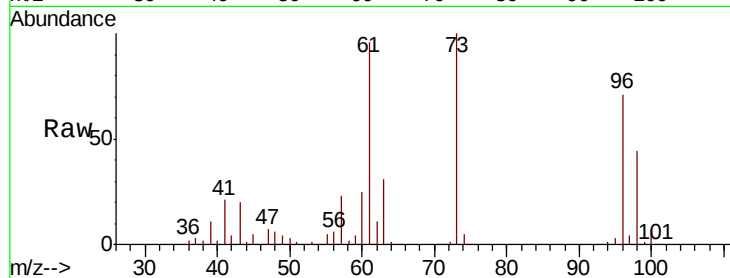
Tgt Ion: 96 Resp: 97670

Ion Ratio Lower Upper

96 100

61 135.4 95.6 177.6

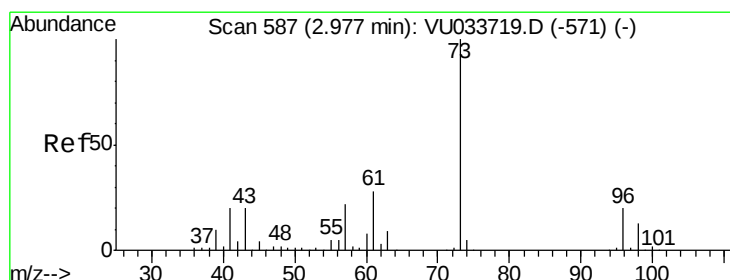
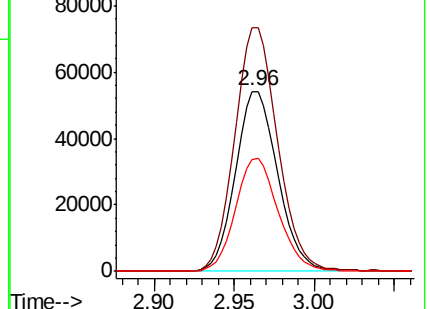
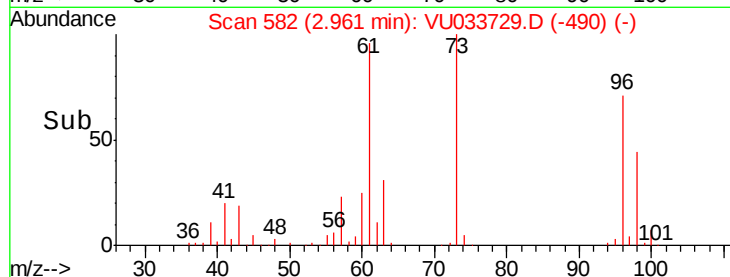
98 62.1 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU033729.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU033729.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU033729.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 46.962 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

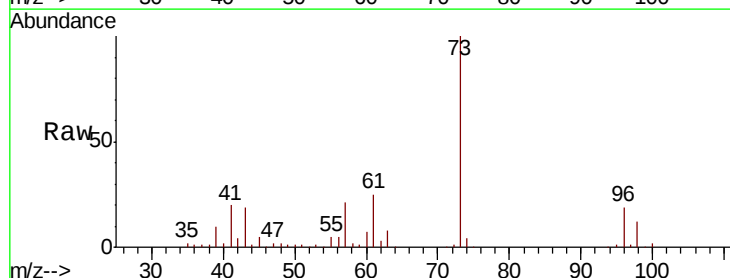
Tgt Ion: 73 Resp: 315243

Ion Ratio Lower Upper

73 100

43 19.0 15.1 22.7

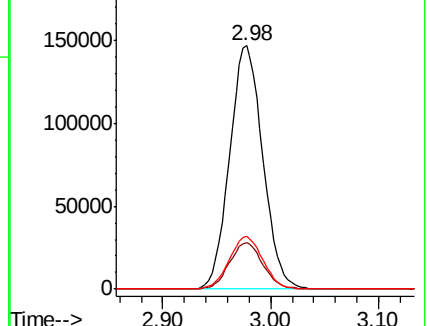
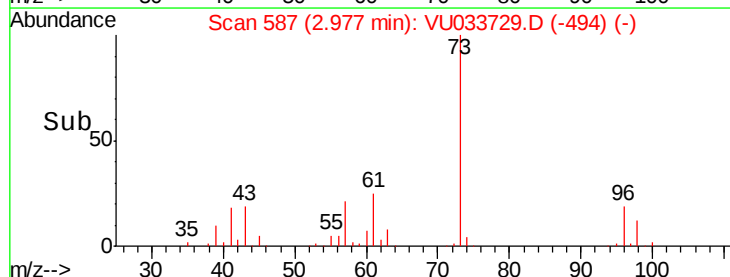
57 21.9 17.4 26.0

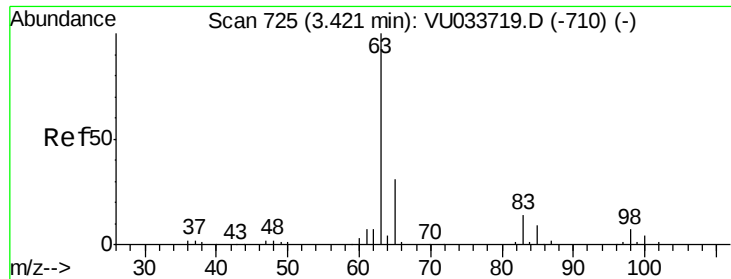


Abundance Ion 73.00 (72.70 to 73.70): VU033729.D (-494) (-)

Ion 43.00 (42.70 to 43.70): VU033729.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU033729.D (-494) (-)

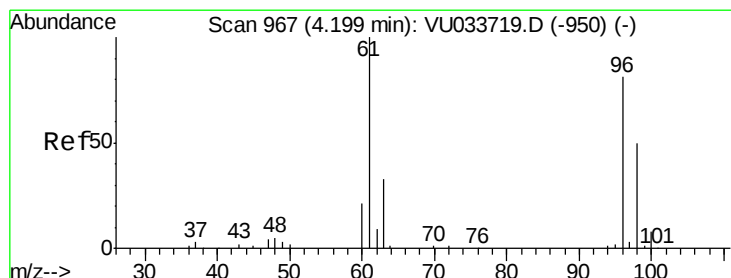
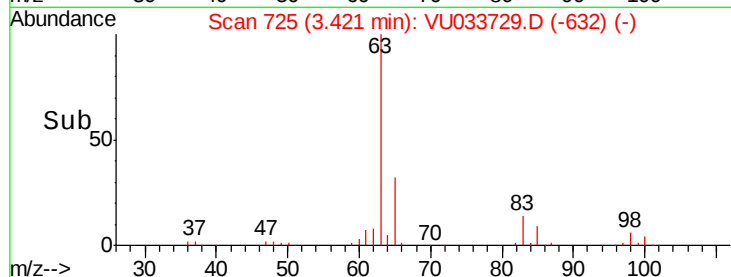
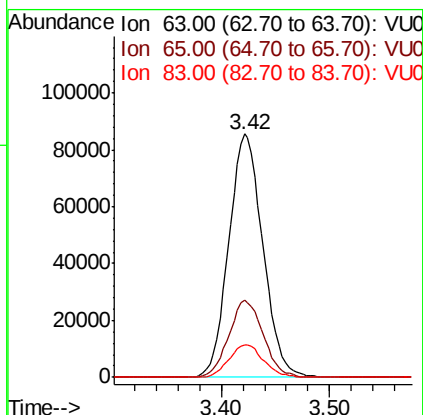
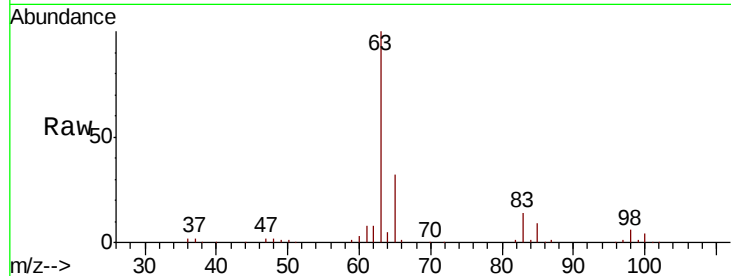




#19  
 1,1-Dichloroethane  
 Concen: 48.630 ug/L  
 RT: 3.42 min Scan# 725  
 Delta R.T. -0.00 min  
 Lab File: VU033729.D  
 Acq: 10 Aug 2019 20:30

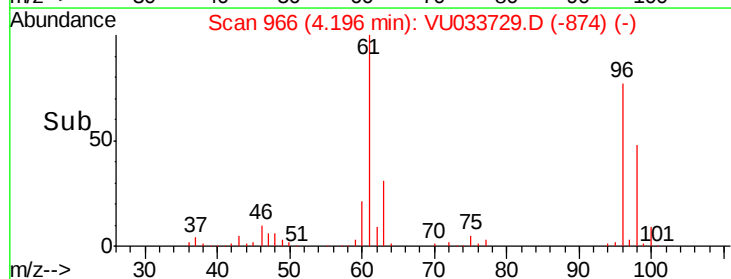
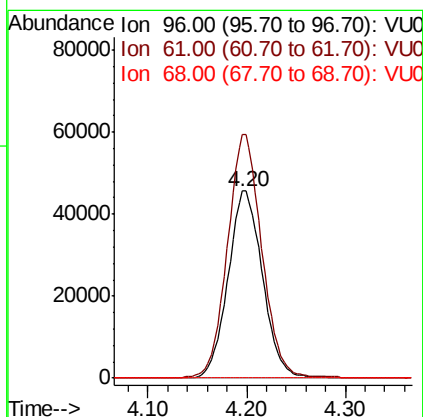
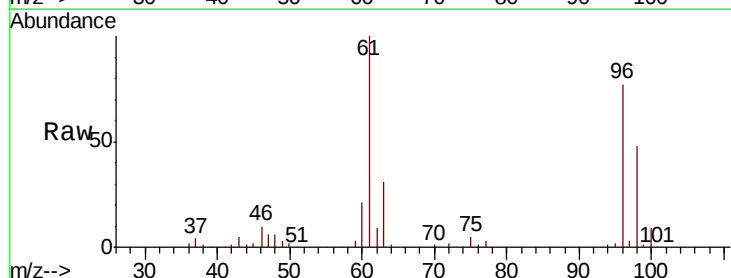
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 VSTD05059

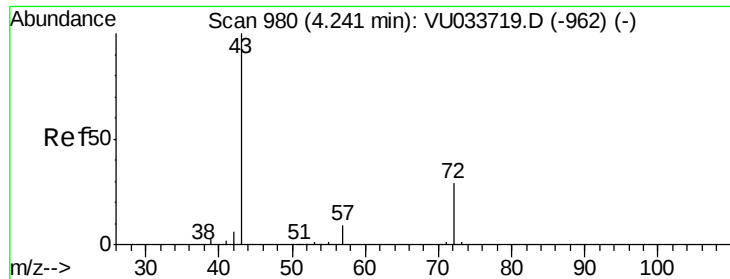
Tgt Ion: 63 Resp: 188351  
 Ion Ratio Lower Upper  
 63 100  
 65 31.6 22.3 41.3  
 83 13.5 9.7 18.1



#20  
 cis-1,2-Dichloroethene  
 Concen: 47.517 ug/L  
 RT: 4.20 min Scan# 966  
 Delta R.T. -0.00 min  
 Lab File: VU033729.D  
 Acq: 10 Aug 2019 20:30

Tgt Ion: 96 Resp: 111239  
 Ion Ratio Lower Upper  
 96 100  
 61 130.0 87.0 161.6  
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 99.735 ug/L

RT: 4.23 min Scan# 977

Delta R.T. -0.01 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Instrument :

MSVOA\_U

ClientSampleId :

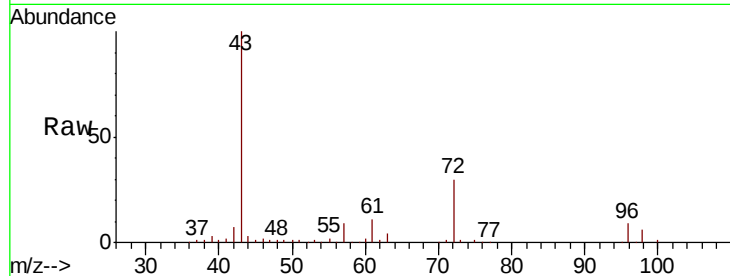
VSTD05059

Tgt Ion: 43 Resp: 185486

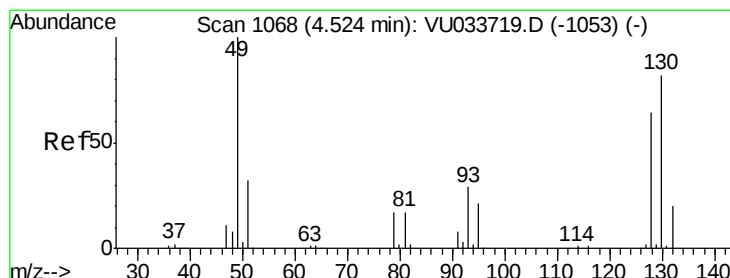
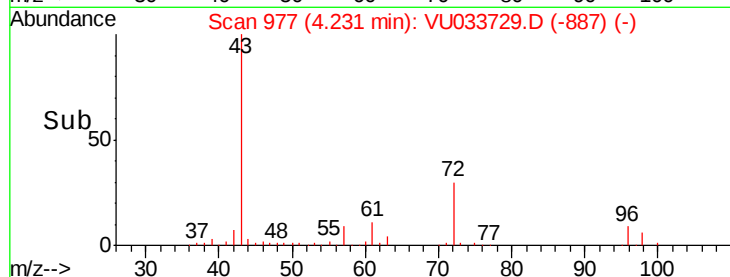
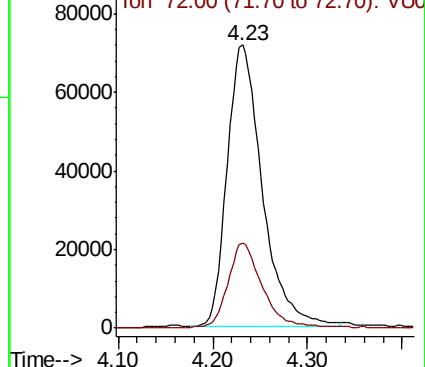
Ion Ratio Lower Upper

43 100

72 29.8 15.2 45.6



Abundance Ion 43.00 (42.70 to 43.70): VU033729.D (-977) (-)



#23

Bromochloromethane

Concen: 49.310 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Tgt Ion: 128 Resp: 59395

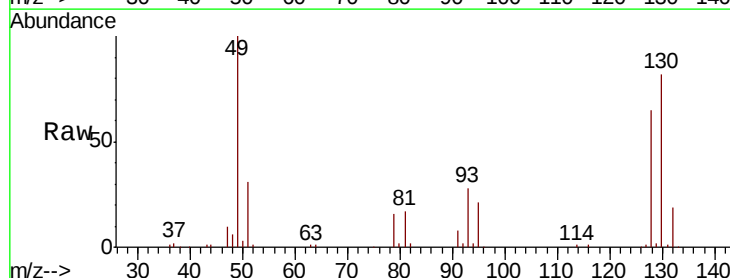
Ion Ratio Lower Upper

128 100

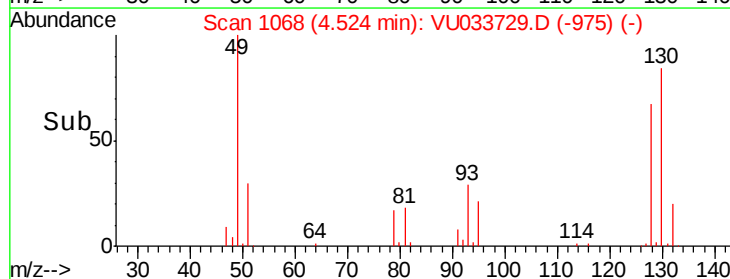
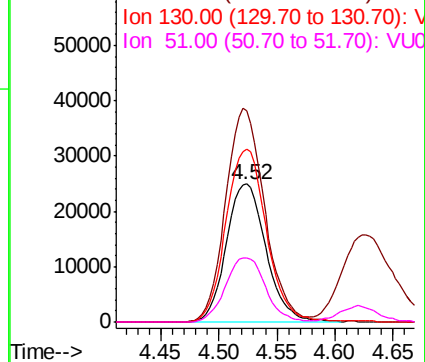
49 153.2 104.7 194.4

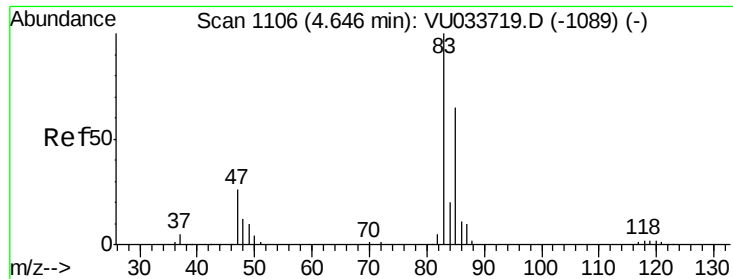
130 125.4 89.6 166.4

51 46.8 37.4 56.0



Abundance Ion 128.00 (127.70 to 128.70): VU033729.D (-1068) (-)

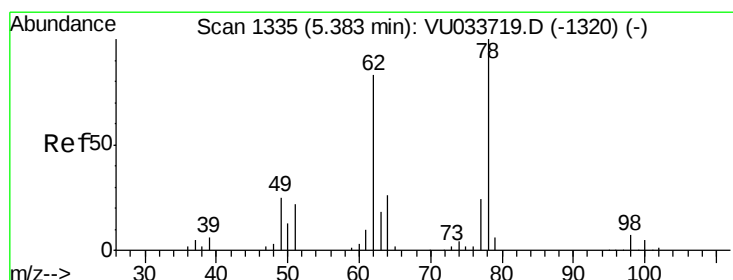
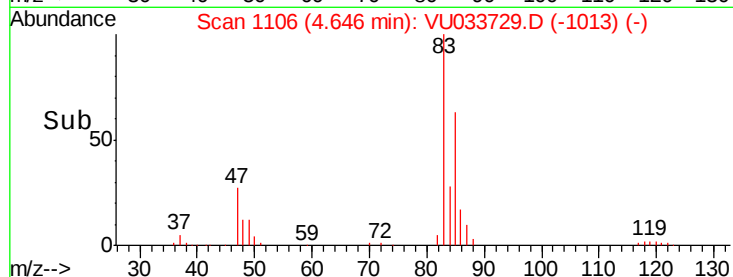
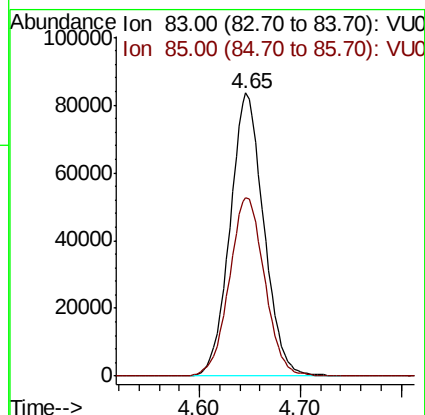
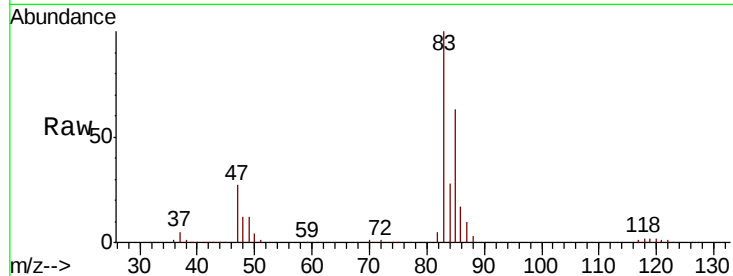




#25  
Chloroform  
Concen: 48.109 ug/L  
RT: 4.65 min Scan# 1106  
Delta R.T. -0.00 min  
Lab File: VU033729.D  
Acq: 10 Aug 2019 20:30

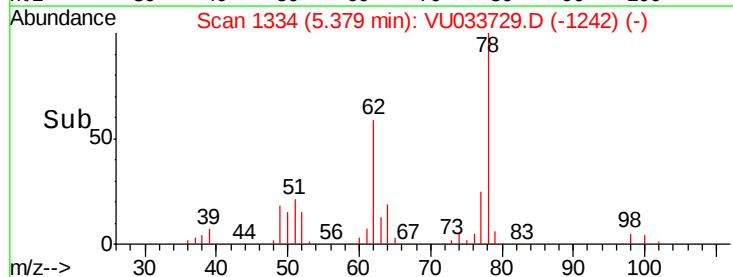
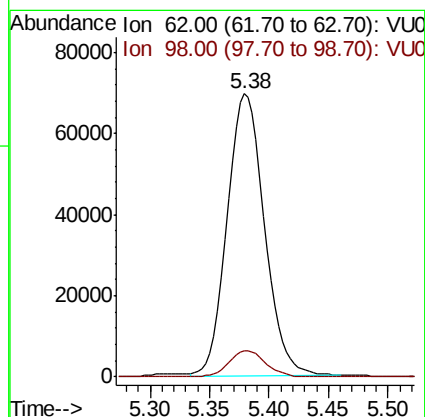
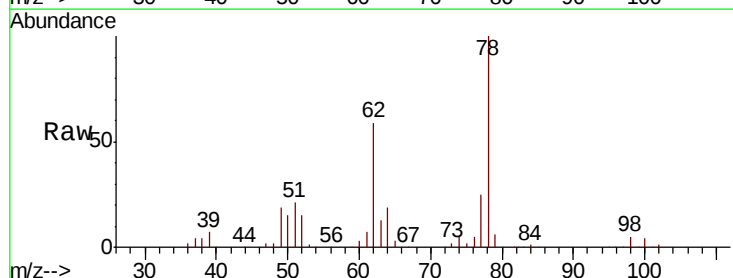
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD05059

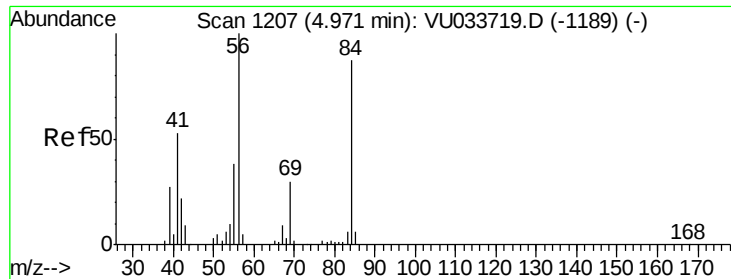
Tgt Ion: 83 Resp: 194372  
Ion Ratio Lower Upper  
83 100  
85 63.1 45.9 85.3



#27  
1,2-Dichloroethane  
Concen: 49.271 ug/L  
RT: 5.38 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: VU033729.D  
Acq: 10 Aug 2019 20:30

Tgt Ion: 62 Resp: 151613  
Ion Ratio Lower Upper  
62 100  
98 9.1 7.4 11.2

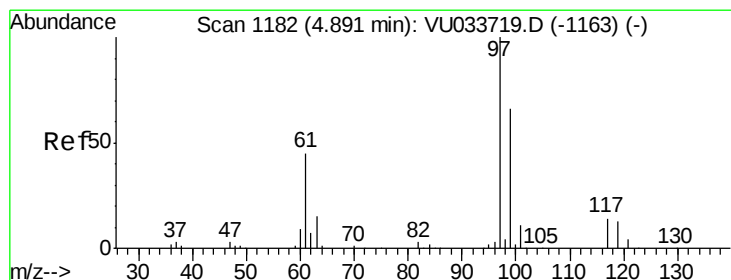
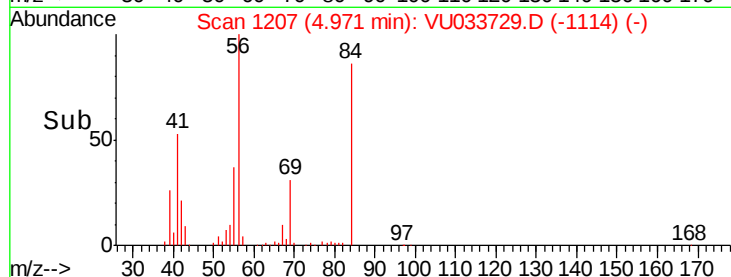
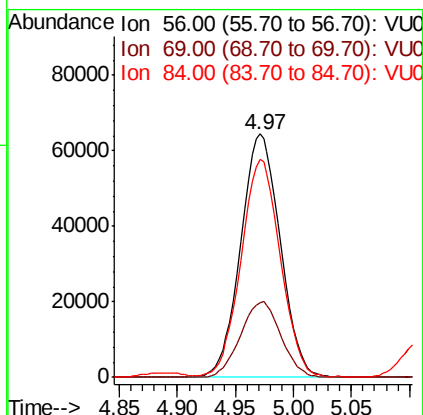
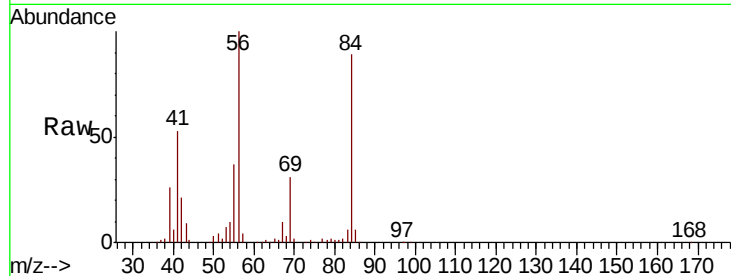




#29  
Cyclohexane  
Concen: 45.567 ug/L  
RT: 4.97 min Scan# 1207  
Delta R.T. -0.00 min  
Lab File: VU033729.D  
Acq: 10 Aug 2019 20:30

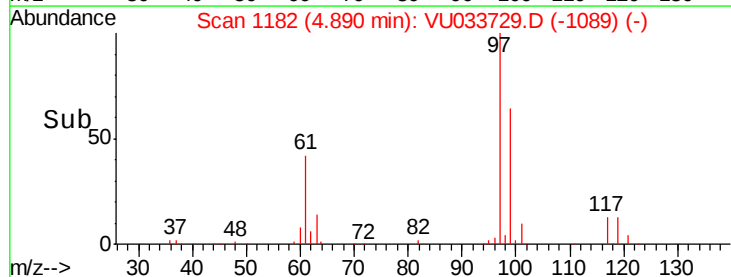
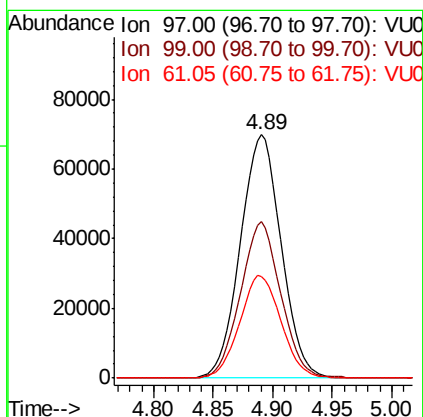
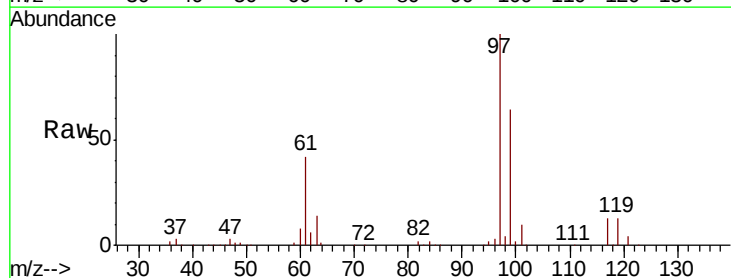
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD05059

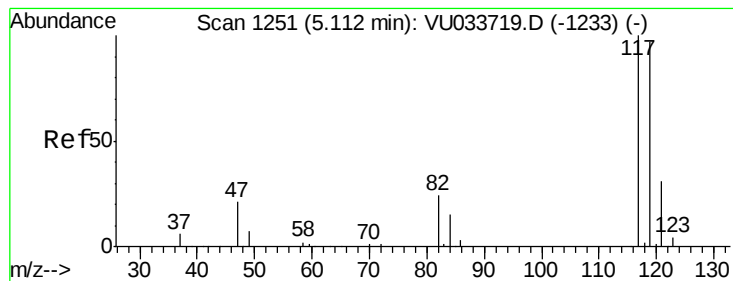
Tgt Ion: 56 Resp: 153079  
Ion Ratio Lower Upper  
56 100  
69 31.8 25.3 37.9  
84 88.6 71.8 107.8



#30  
1,1,1-Trichloroethane  
Concen: 48.181 ug/L  
RT: 4.89 min Scan# 1182  
Delta R.T. -0.00 min  
Lab File: VU033729.D  
Acq: 10 Aug 2019 20:30

Tgt Ion: 97 Resp: 166446  
Ion Ratio Lower Upper  
97 100  
99 63.4 52.0 78.0  
61 42.6 35.0 52.4





#31

Carbon tetrachloride

Concen: 47.162 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Instrument :

MSVOA\_U

ClientSampleId :

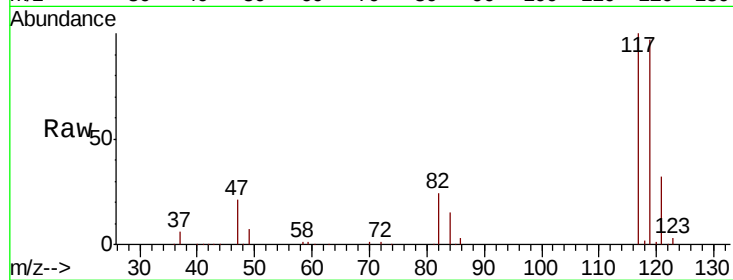
VSTD05059

Tgt Ion:117 Resp: 146175

Ion Ratio Lower Upper

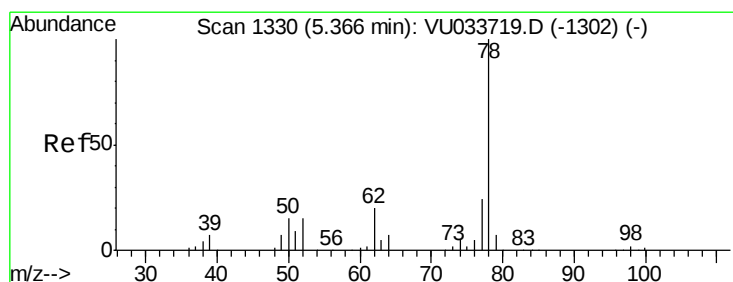
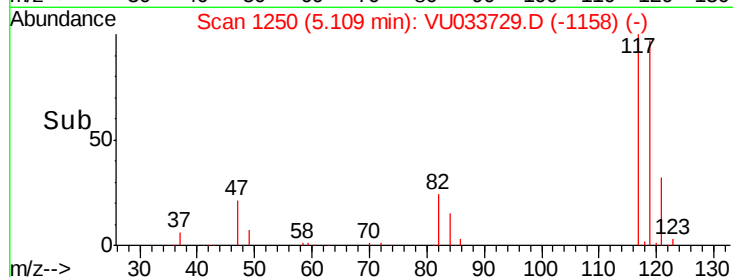
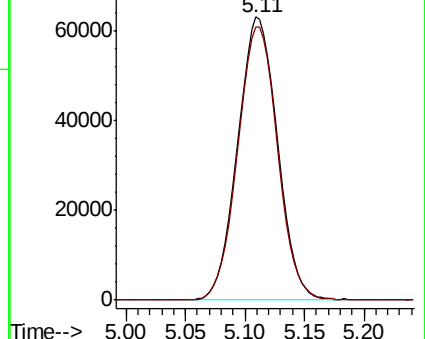
117 100

119 96.7 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 47.646 ug/L

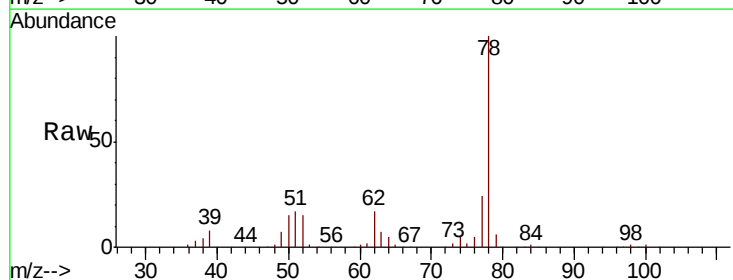
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

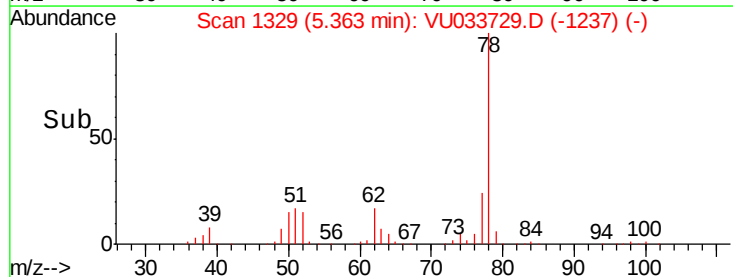
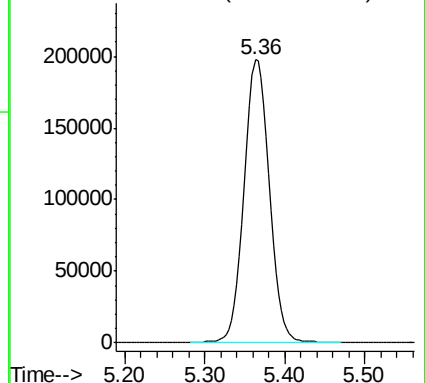
Lab File: VU033729.D

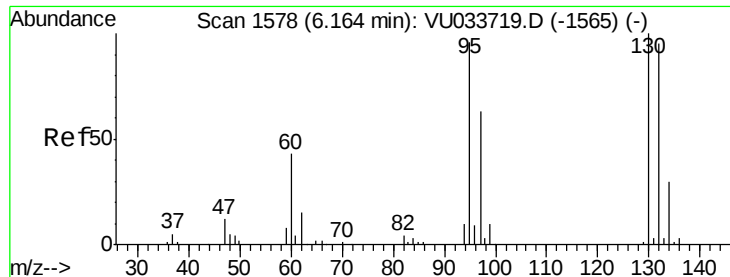
Acq: 10 Aug 2019 20:30

Tgt Ion: 78 Resp: 422114



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 45.518 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTD05059

Tgt Ion: 95 Resp: 106404

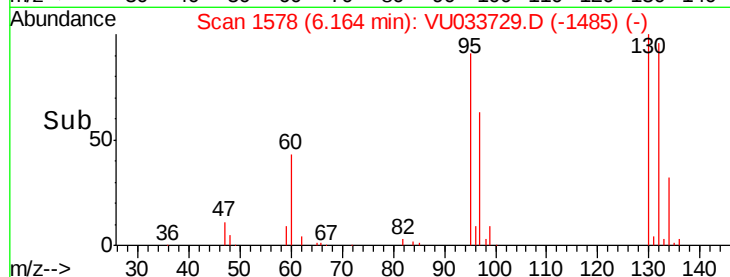
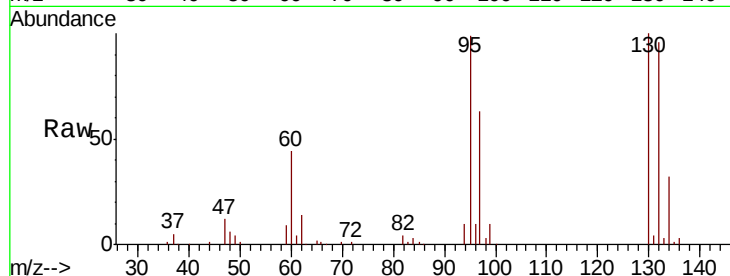
Ion Ratio Lower Upper

95 100

97 63.6 45.6 84.8

132 96.7 72.0 133.8

130 101.1 74.3 138.1

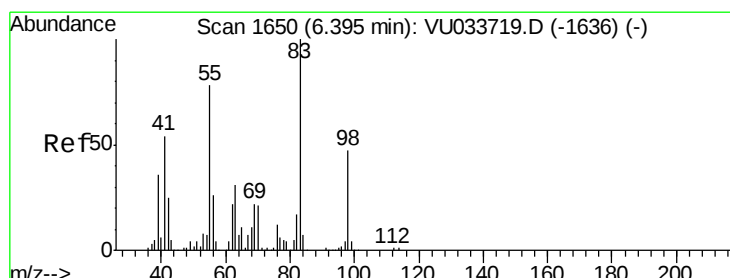
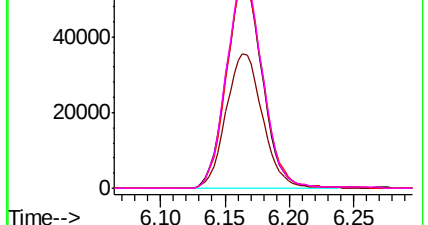


Abundance Ion 95.00 (94.70 to 95.70): VU033729.D (-1485) (-)

Ion 97.00 (96.70 to 97.70): VU033729.D (-1485) (-)

Ion 132.00 (131.70 to 132.70): VU033729.D (-1485) (-)

Ion 130.00 (129.70 to 130.70): VU033729.D (-1485) (-)



#35

Methylcyclohexane

Concen: 46.969 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

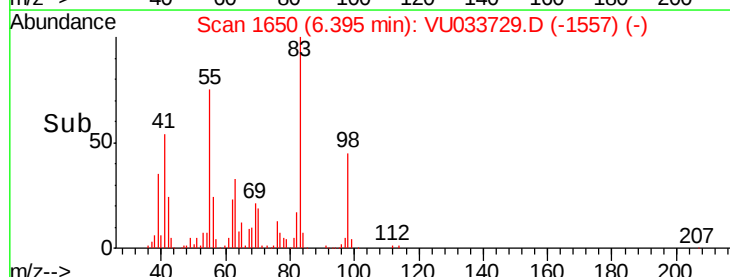
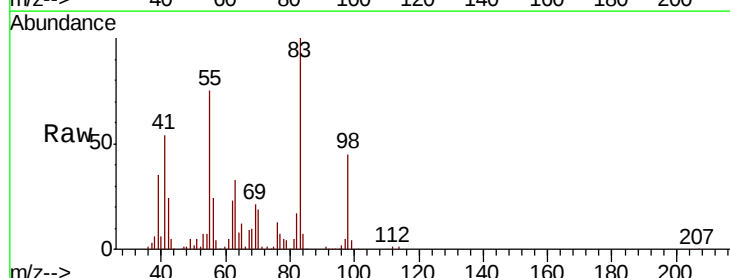
Tgt Ion: 83 Resp: 167130

Ion Ratio Lower Upper

83 100

55 73.9 58.1 87.1

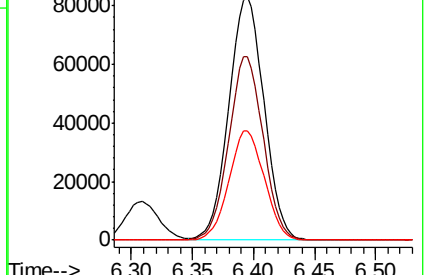
98 45.1 36.8 55.2

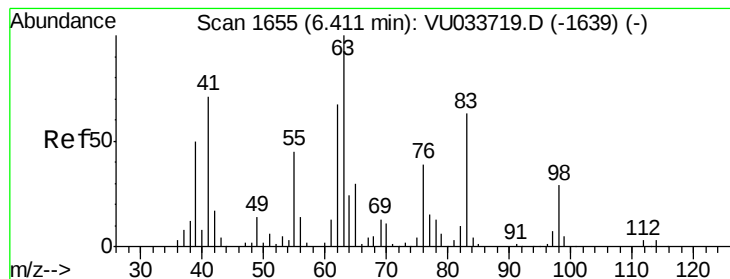


Abundance Ion 83.00 (82.70 to 83.70): VU033729.D (-1557) (-)

Ion 55.00 (54.70 to 55.70): VU033729.D (-1557) (-)

Ion 98.00 (97.70 to 98.70): VU033729.D (-1557) (-)





#37

1,2-Dichloropropane

Concen: 47.852 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Instrument :

MSVOA\_U

ClientSampleId :

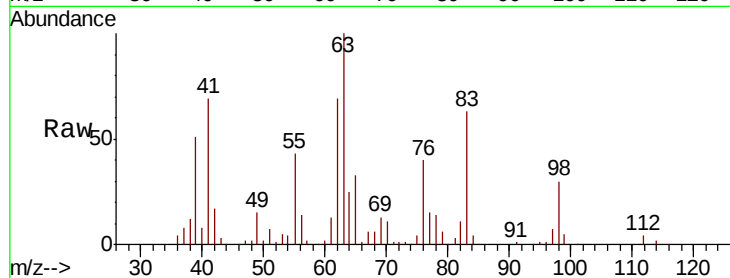
VSTD05059

Tgt Ion: 63 Resp: 113140

Ion Ratio Lower Upper

63 100

112 4.0 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VU033719.D (-1639) (-)

Ion 112.00 (111.70 to 112.70): VU033719.D (-1639) (-)

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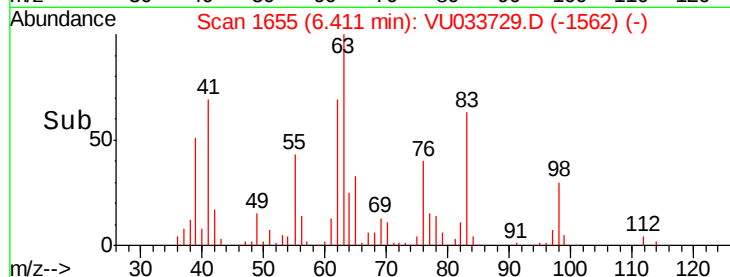
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Abundance Ion 63.00 (62.70 to 63.70): VU033729.D (-1562) (-)

Ion 112.00 (111.70 to 112.70): VU033729.D (-1562) (-)

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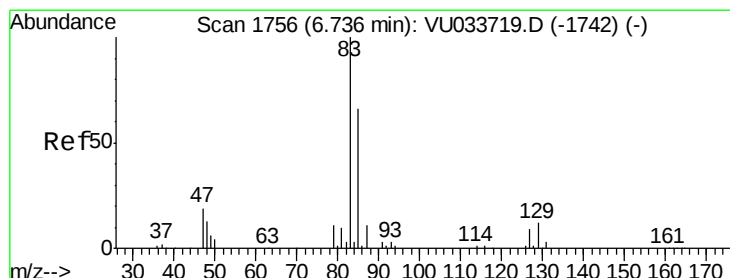
6.41

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6.41



#38

Bromodichloromethane

Concen: 47.812 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

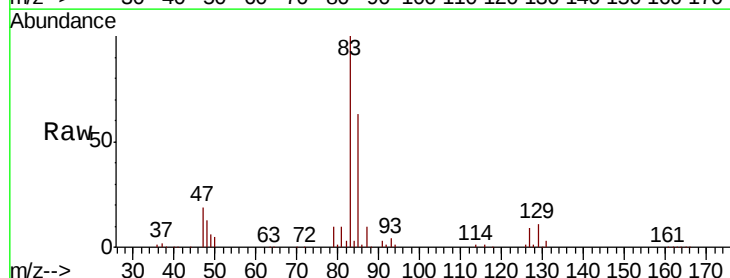
Tgt Ion: 83 Resp: 145258

Ion Ratio Lower Upper

83 100

85 63.4 44.2 82.0

127 8.9 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VU033719.D (-1742) (-)

Ion 85.00 (84.70 to 85.70): VU033719.D (-1742) (-)

Ion 127.00 (126.70 to 127.70): VU033719.D (-1742) (-)

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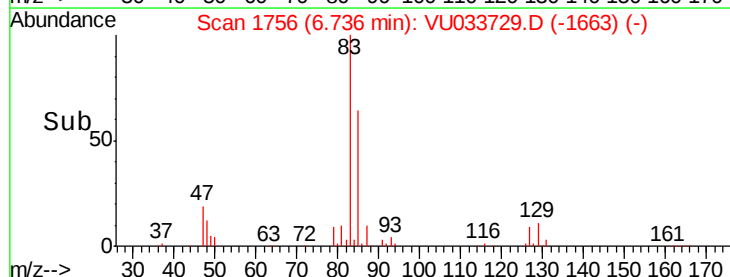
6.74

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Abundance Ion 83.00 (82.70 to 83.70): VU033729.D (-1663) (-)

Ion 85.00 (84.70 to 85.70): VU033729.D (-1663) (-)

Ion 127.00 (126.70 to 127.70): VU033729.D (-1663) (-)

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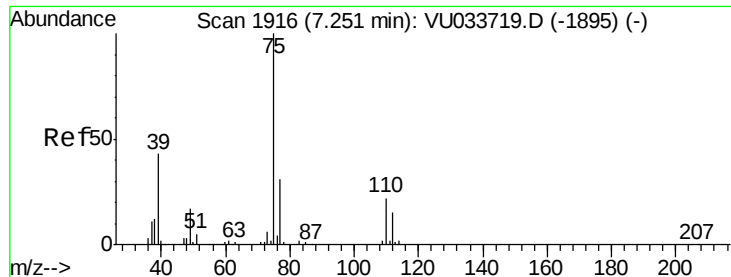
6.74

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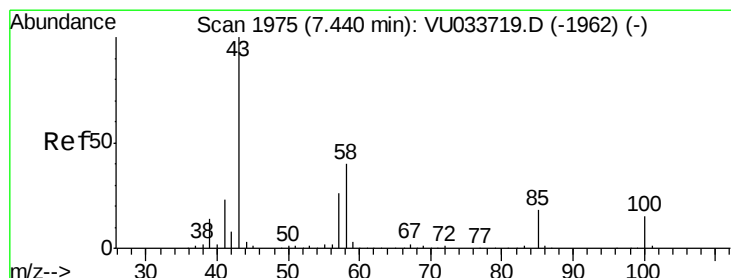
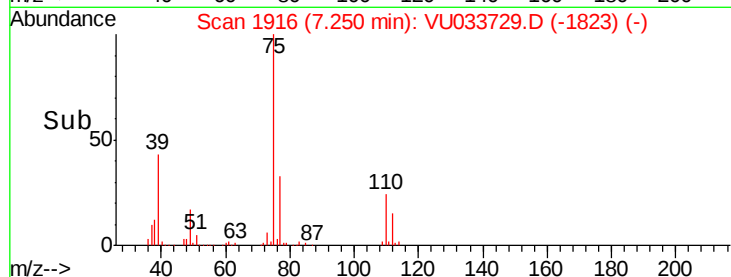
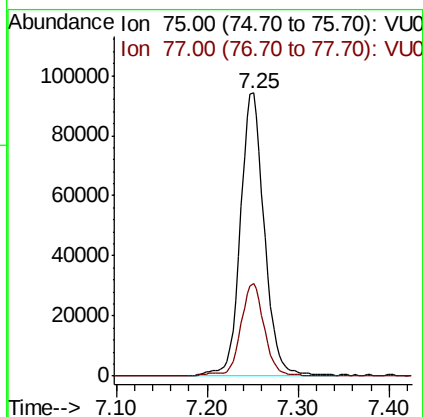
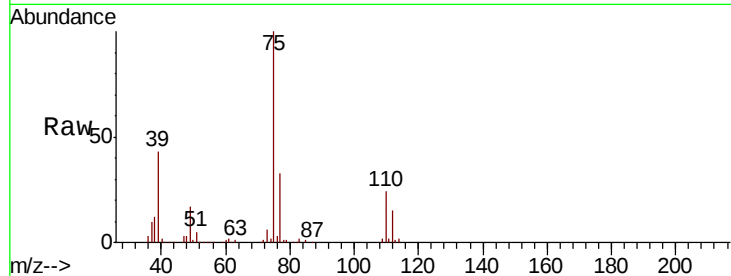
6.74



#39  
 cis-1,3-Dichloropropene  
 Concen: 46.029 ug/L  
 RT: 7.25 min Scan# 1916  
 Delta R.T. -0.00 min  
 Lab File: VU033729.D  
 Acq: 10 Aug 2019 20:30

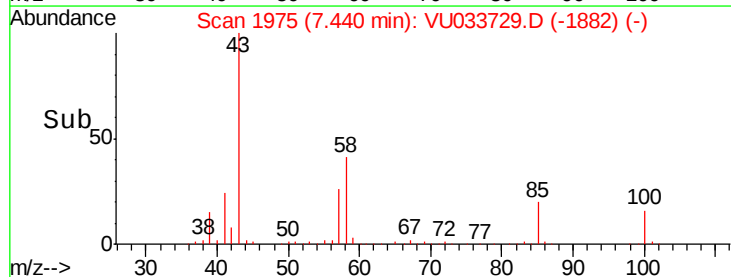
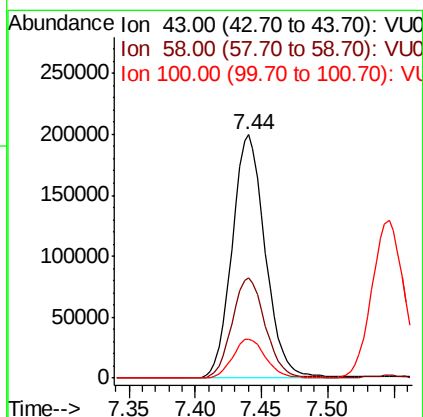
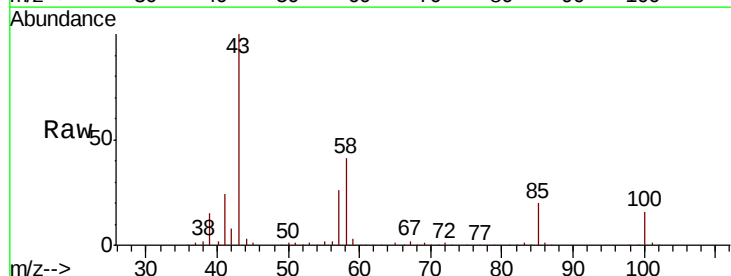
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD05059

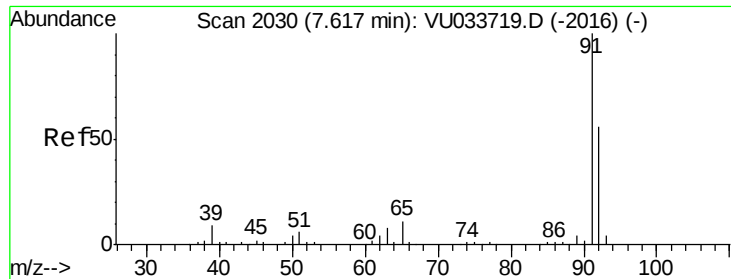
Tgt Ion: 75 Resp: 172949  
 Ion Ratio Lower Upper  
 75 100  
 77 32.8 21.7 40.3



#40  
 4-Methyl-2-pentanone  
 Concen: 98.836 ug/L  
 RT: 7.44 min Scan# 1975  
 Delta R.T. -0.00 min  
 Lab File: VU033729.D  
 Acq: 10 Aug 2019 20:30

Tgt Ion: 43 Resp: 347541  
 Ion Ratio Lower Upper  
 43 100  
 58 41.5 33.4 50.0  
 100 16.0 13.2 19.8





#42

Toluene

Concen: 47.378 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Instrument :

MSVOA\_U

ClientSampleId :

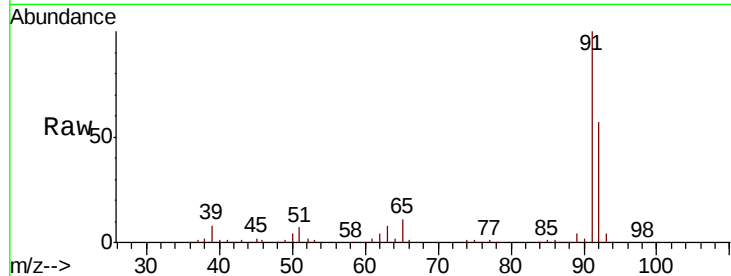
VSTD05059

Tgt Ion: 91 Resp: 454094

Ion Ratio Lower Upper

91 100

92 57.3 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU033719.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU033719.D (-2016) (-)

7.62

300000

250000

200000

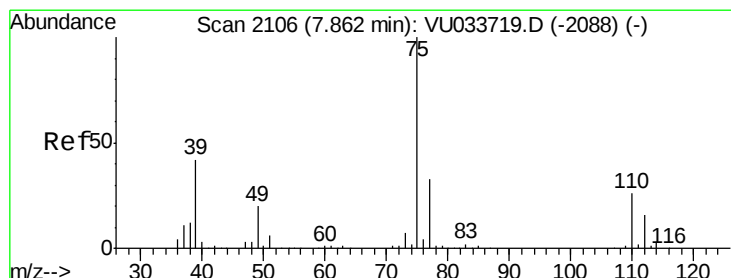
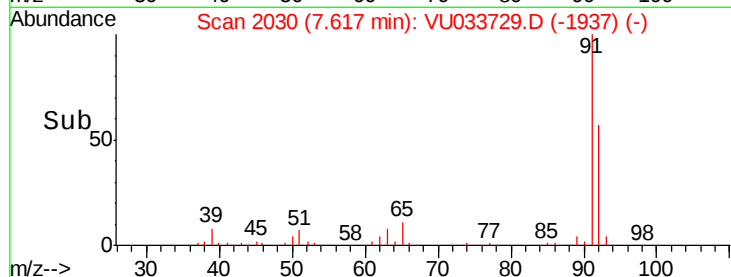
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 46.906 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033729.D

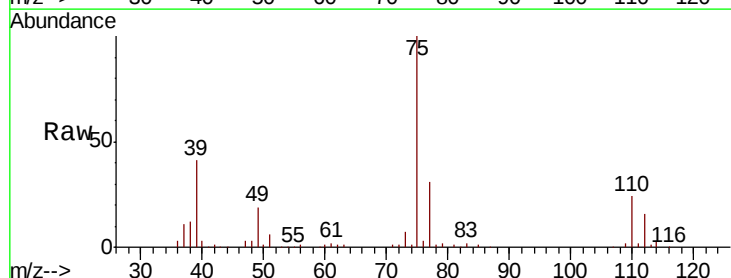
Acq: 10 Aug 2019 20:30

Tgt Ion: 75 Resp: 157006

Ion Ratio Lower Upper

75 100

77 30.6 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU033719.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033719.D (-2088) (-)

7.86

100000

80000

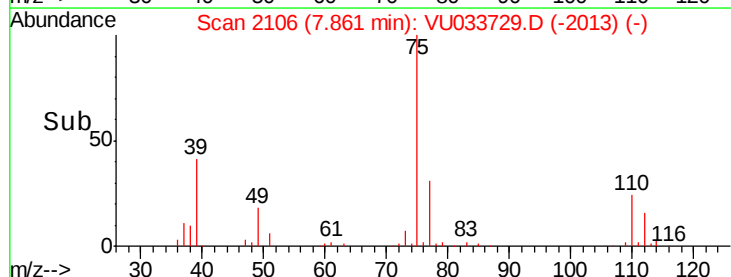
60000

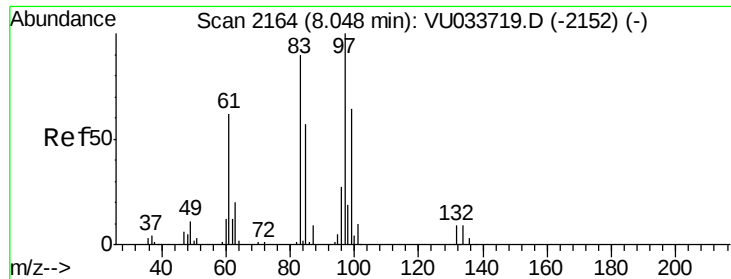
40000

20000

0

Time-->

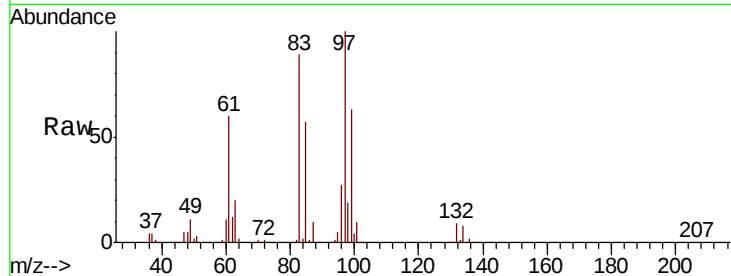




#45  
 1,1,2-Trichloroethane  
 Concen: 47.663 ug/L  
 RT: 8.05 min Scan# 2164  
 Delta R.T. -0.00 min  
 Lab File: VU033729.D  
 Acq: 10 Aug 2019 20:30

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD05059

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 110166 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 63.0  | 43.3  | 80.5   |
| 83       | 88.8  | 60.5  | 112.5  |
| 85       | 57.2  | 38.9  | 72.3   |



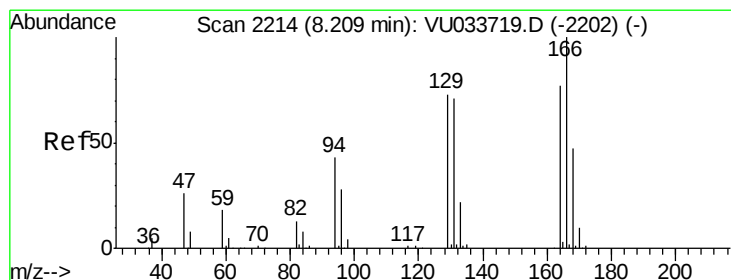
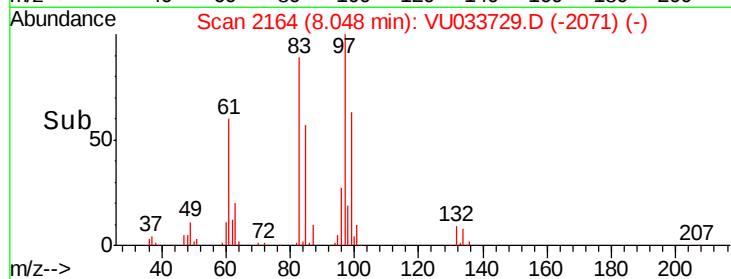
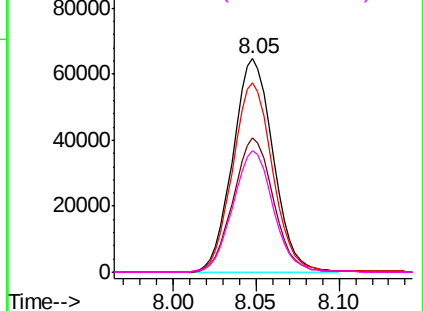
Abundance

Ion 97.00 (96.70 to 97.70): VU033729.D (-2152) (-)

Ion 99.00 (98.70 to 99.70): VU033729.D (-2152) (-)

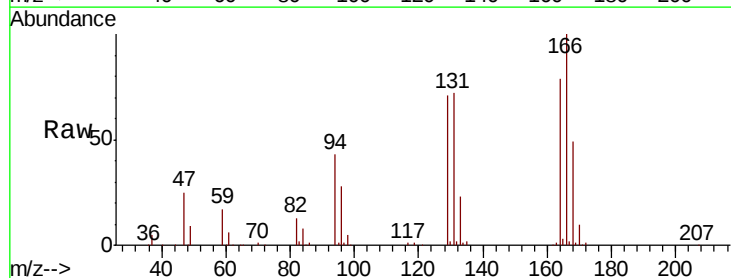
Ion 83.00 (82.70 to 83.70): VU033729.D (-2152) (-)

Ion 85.00 (84.70 to 85.70): VU033729.D (-2152) (-)



#46  
 Tetrachloroethene  
 Concen: 46.504 ug/L  
 RT: 8.21 min Scan# 2214  
 Delta R.T. -0.00 min  
 Lab File: VU033729.D  
 Acq: 10 Aug 2019 20:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 89612 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 89.6  | 65.5  | 121.7 |
| 131      | 90.2  | 63.6  | 118.0 |
| 166      | 125.8 | 92.7  | 172.3 |



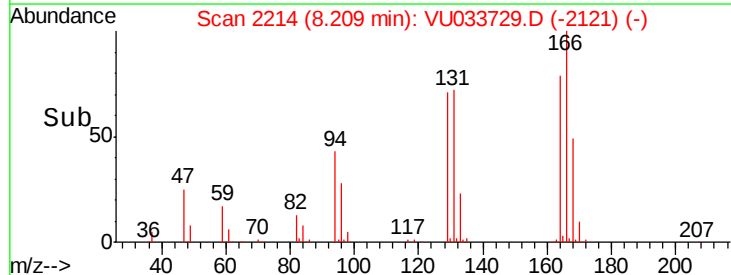
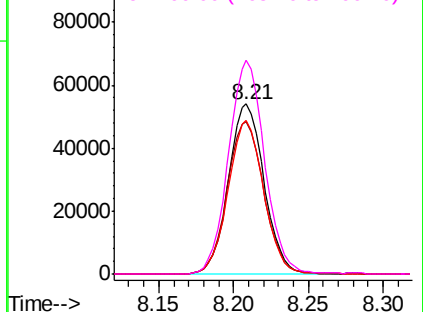
Abundance

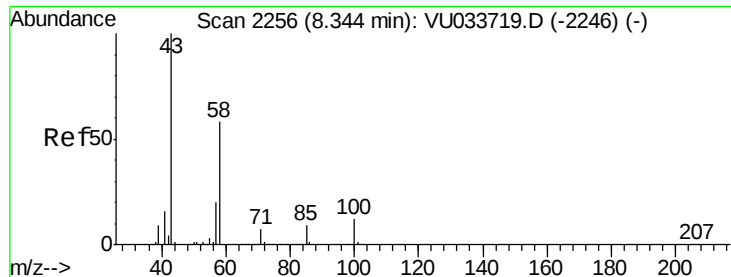
Ion 164.00 (163.70 to 164.70): VU033729.D (-2202) (-)

Ion 129.00 (128.70 to 129.70): VU033729.D (-2202) (-)

Ion 131.00 (130.70 to 131.70): VU033729.D (-2202) (-)

Ion 166.00 (165.70 to 166.70): VU033729.D (-2202) (-)

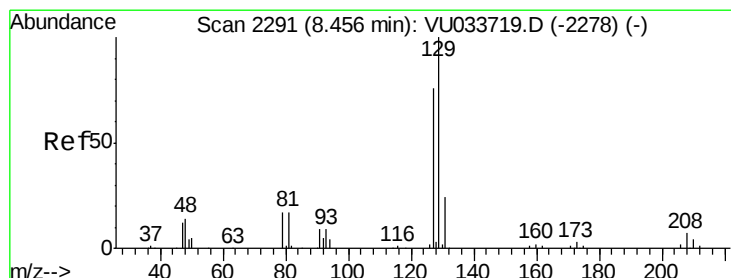
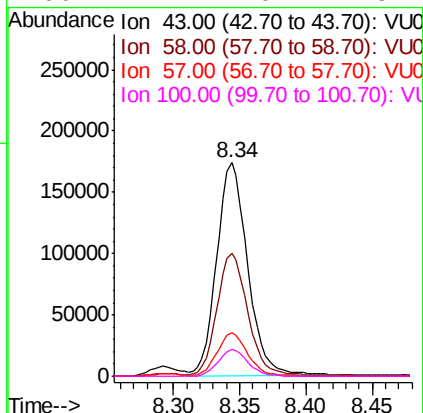
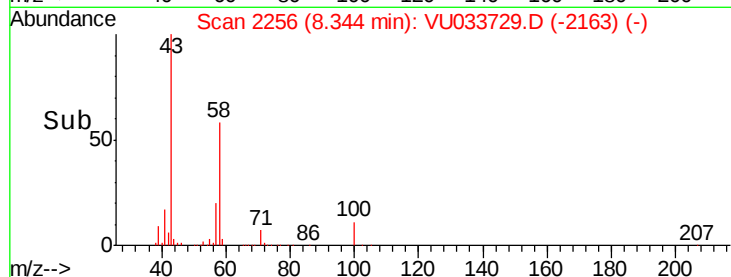
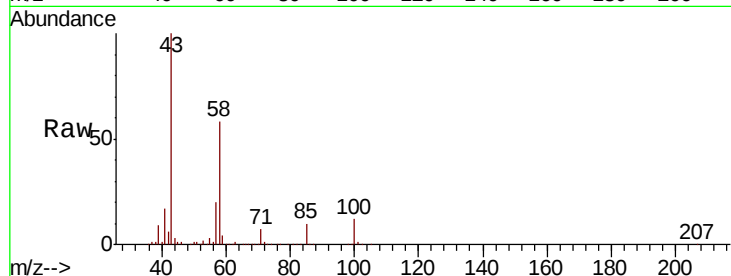




#48  
2-Hexanone  
Concen: 101.133 ug/L  
RT: 8.34 min Scan# 2256  
Delta R.T. -0.00 min  
Lab File: VU033729.D  
Acq: 10 Aug 2019 20:30

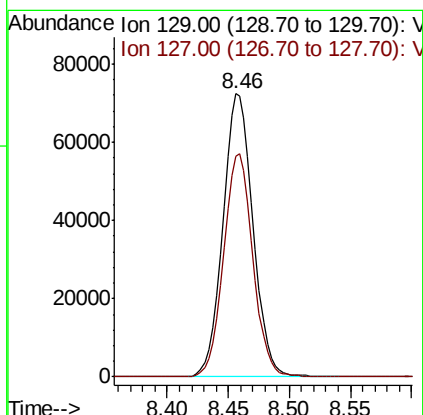
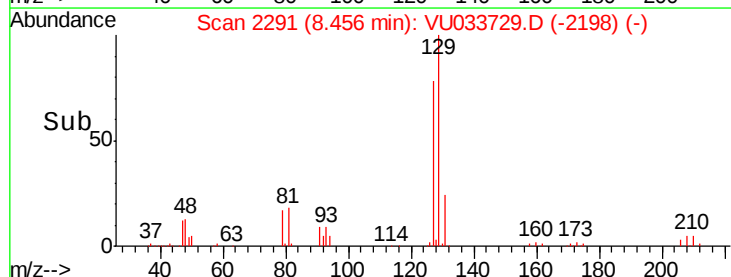
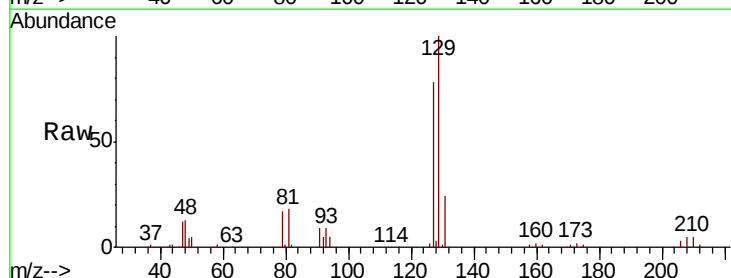
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD05059

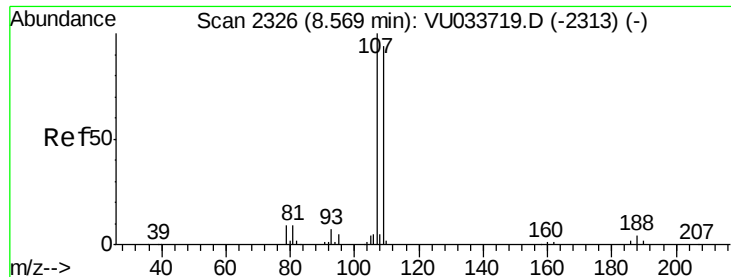
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 280012 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 58.3  | 46.6  | 70.0   |
| 57       | 20.0  | 16.2  | 24.4   |
| 100      | 12.2  | 10.1  | 15.1   |



#49  
Dibromochloromethane  
Concen: 48.281 ug/L  
RT: 8.46 min Scan# 2291  
Delta R.T. -0.00 min  
Lab File: VU033729.D  
Acq: 10 Aug 2019 20:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 125042 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 78.1  | 53.3  | 98.9   |

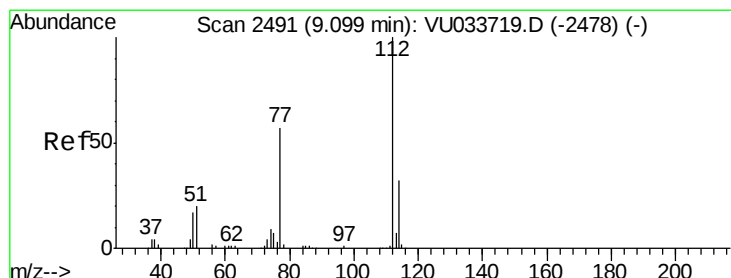
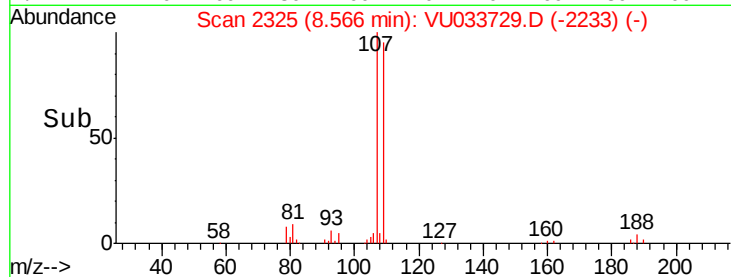
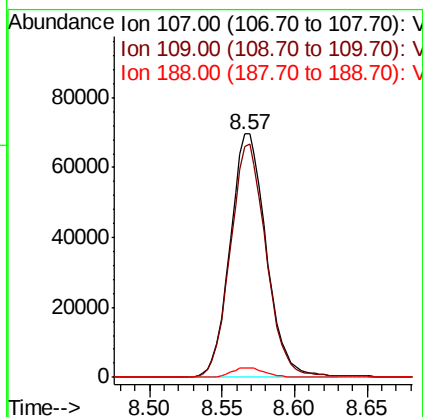
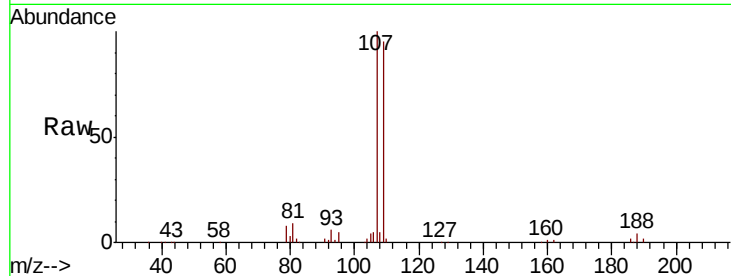




#50  
1,2-Dibromoethane  
Concen: 47.103 ug/L  
RT: 8.57 min Scan# 2325  
Delta R.T. -0.00 min  
Lab File: VU033729.D  
Acq: 10 Aug 2019 20:30

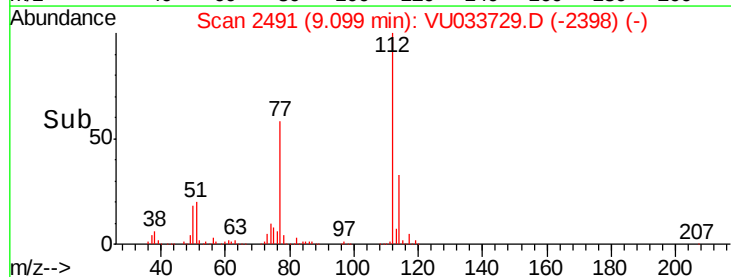
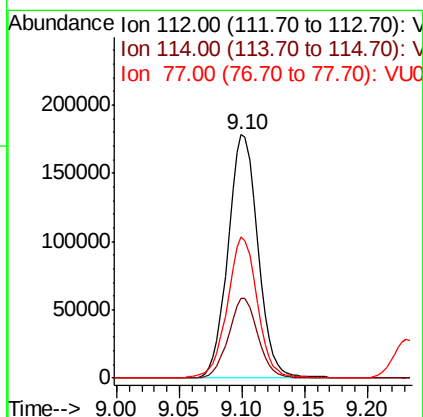
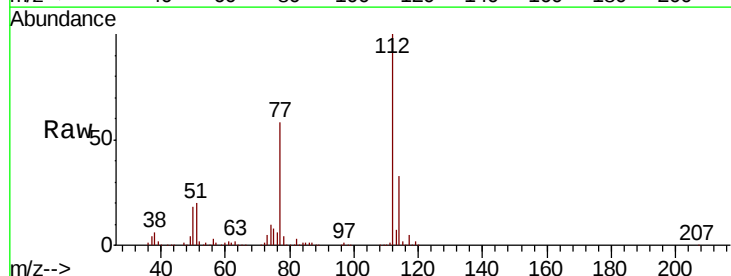
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD05059

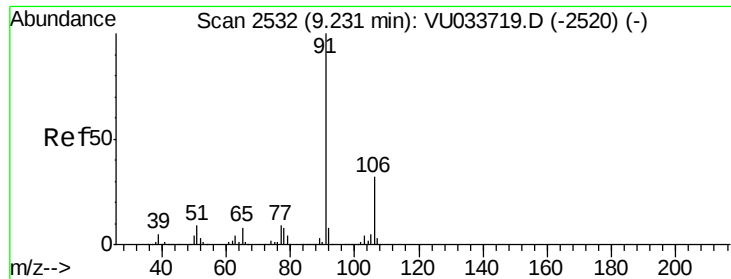
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.8  | 66.4  | 123.4 |
| 188     | 4.0   | 3.2   | 4.8   |



#51  
Chlorobenzene  
Concen: 47.031 ug/L  
RT: 9.10 min Scan# 2491  
Delta R.T. -0.00 min  
Lab File: VU033729.D  
Acq: 10 Aug 2019 20:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.6  | 22.5  | 41.9  |
| 77      | 57.9  | 45.3  | 67.9  |





#52

Ethylbenzene

Concen: 47.131 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Instrument :

MSVOA\_U

ClientSampleId :

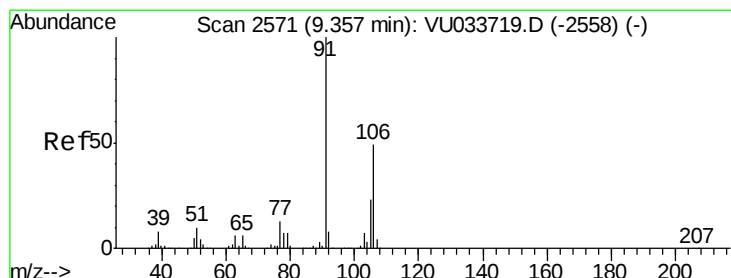
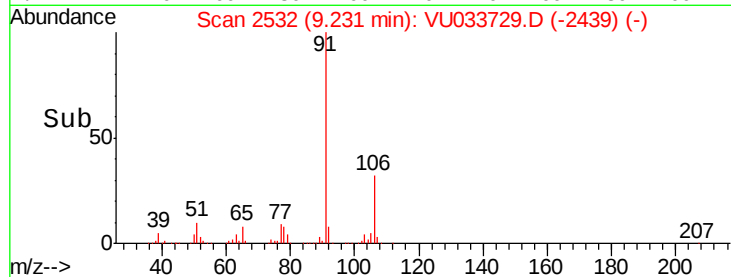
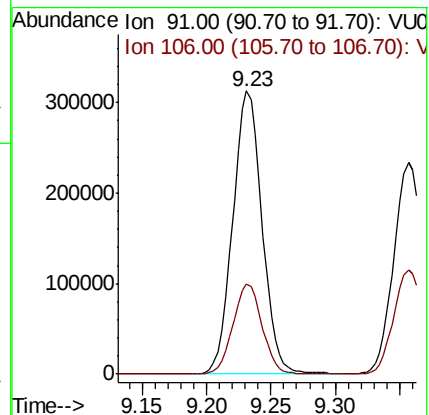
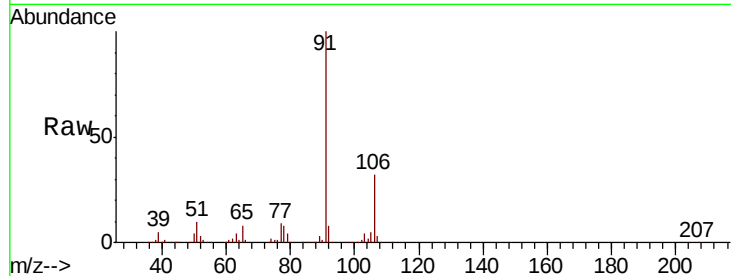
VSTD05059

Tgt Ion: 91 Resp: 494149

Ion Ratio Lower Upper

91 100

106 31.7 22.5 41.7



#53

m,p-Xylene

Concen: 46.935 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033729.D

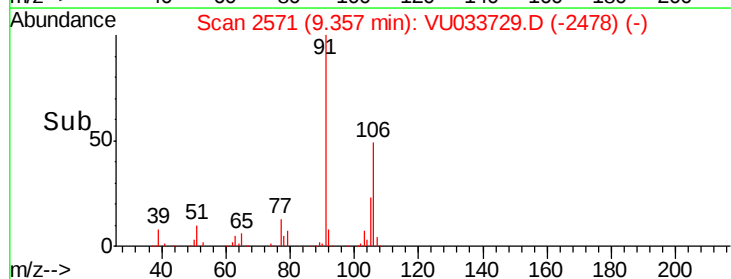
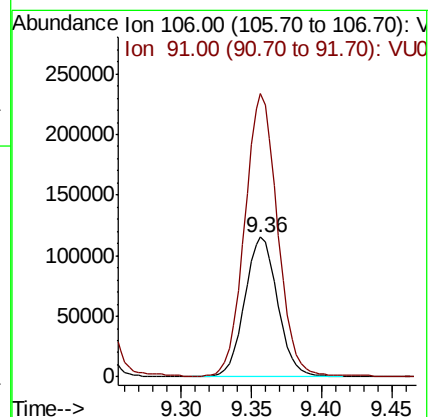
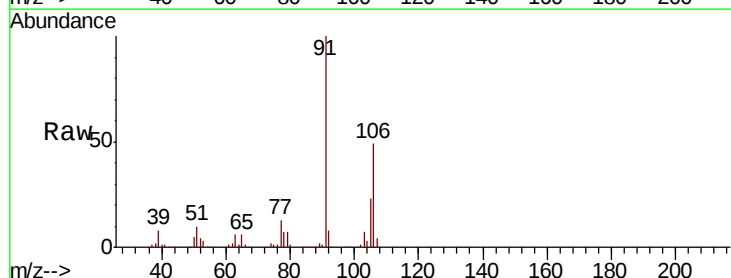
Acq: 10 Aug 2019 20:30

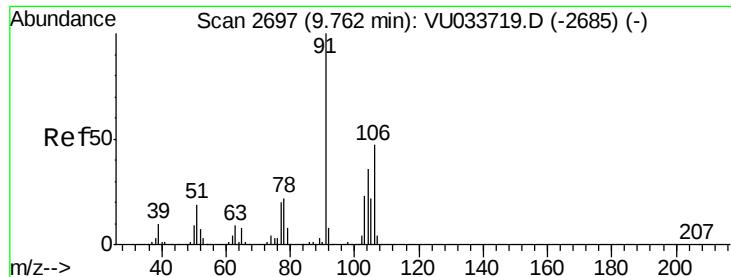
Tgt Ion: 106 Resp: 187843

Ion Ratio Lower Upper

106 100

91 203.0 138.8 257.8

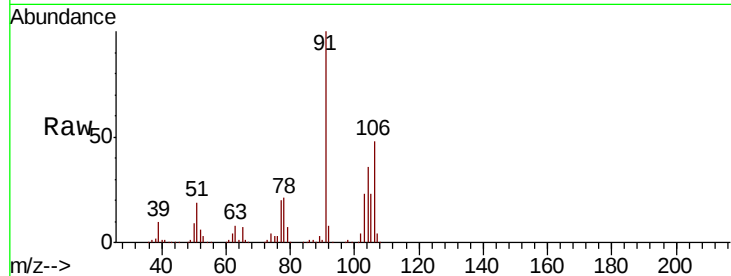




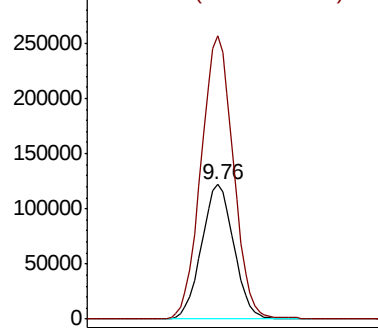
#54  
o-xylene  
Concen: 47.612 ug/L  
RT: 9.76 min Scan# 2697  
Delta R.T. -0.00 min  
Lab File: VU033729.D  
Acq: 10 Aug 2019 20:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD05059

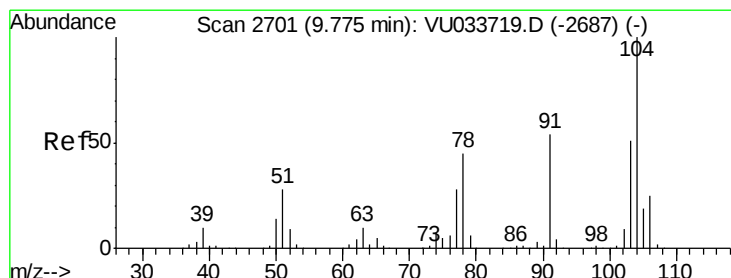
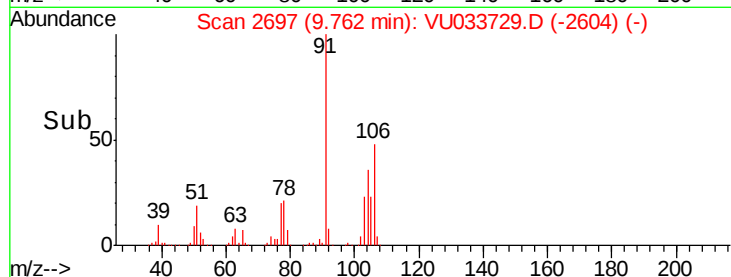
Tgt Ion:106 Resp: 188341  
Ion Ratio Lower Upper  
106 100  
91 209.9 150.9 280.3



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

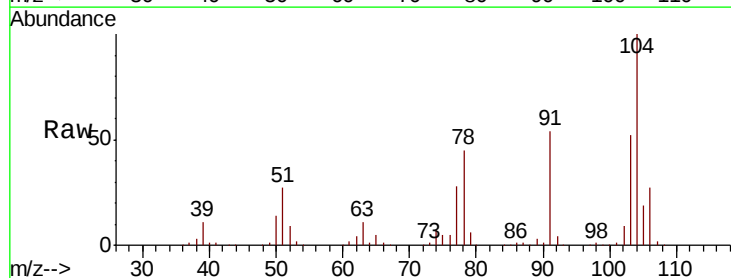


Time-->

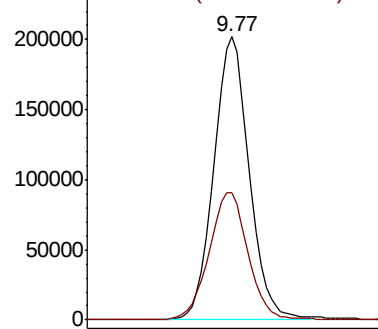


#55  
Styrene  
Concen: 48.323 ug/L  
RT: 9.77 min Scan# 2701  
Delta R.T. -0.00 min  
Lab File: VU033729.D  
Acq: 10 Aug 2019 20:30

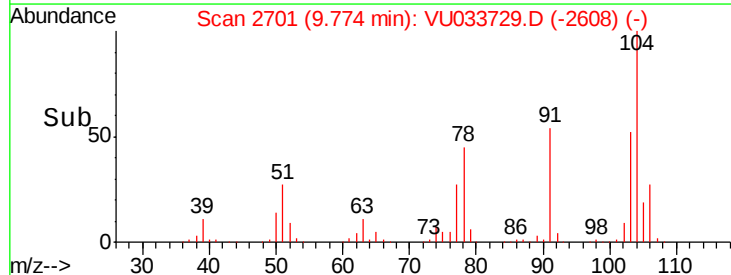
Tgt Ion:104 Resp: 320767  
Ion Ratio Lower Upper  
104 100  
78 44.9 31.0 57.6

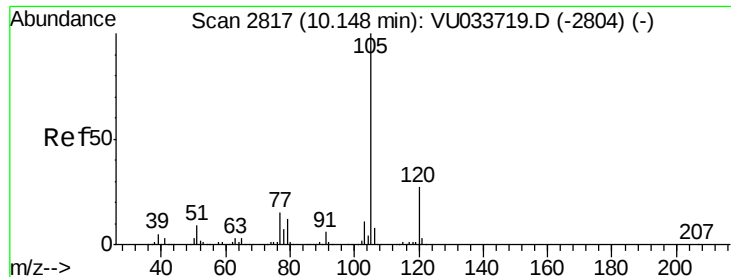


Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VU0



Time-->





#56

Isopropylbenzene

Concen: 47.162 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTD05059

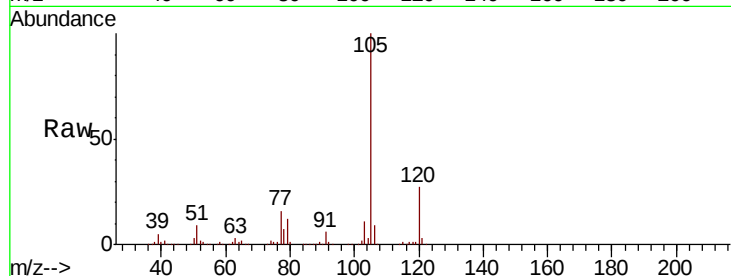
Tgt Ion: 105 Resp: 489586

Ion Ratio Lower Upper

105 100

120 26.7 21.6 32.4

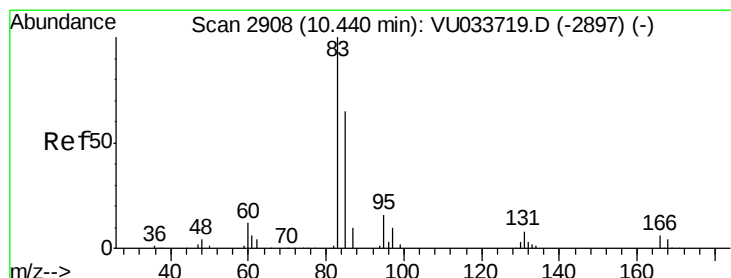
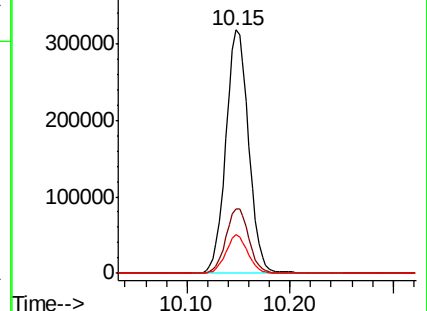
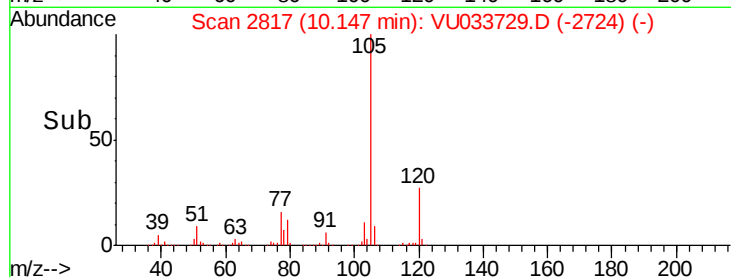
77 15.3 12.3 18.5



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: 50.471 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

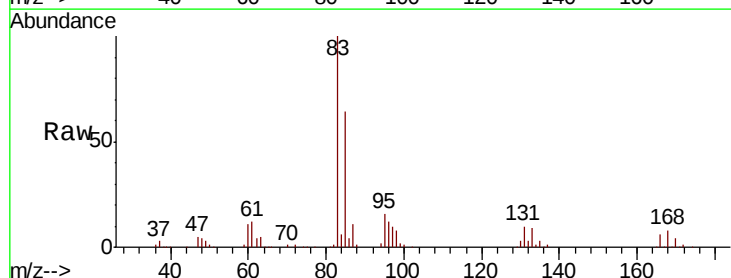
Tgt Ion: 83 Resp: 204930

Ion Ratio Lower Upper

83 100

85 64.2 45.8 85.0

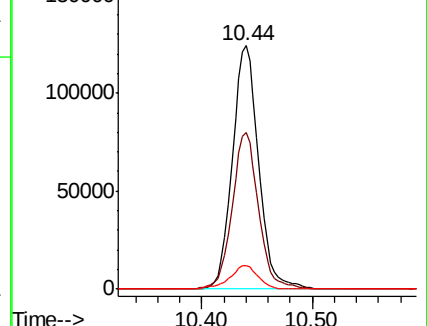
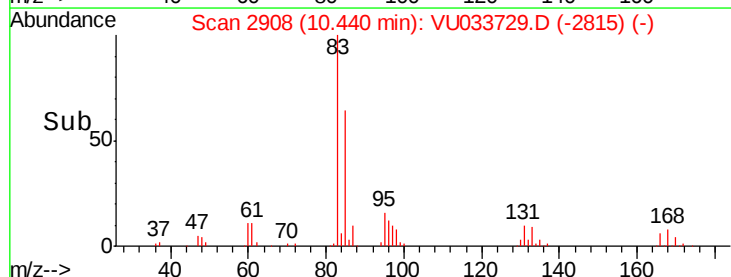
131 9.8 8.1 12.1

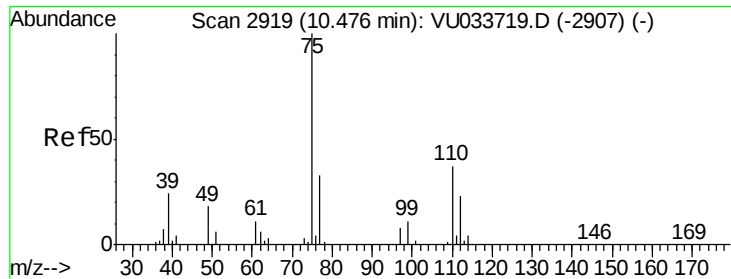


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.955 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Instrument :

MSVOA\_U

ClientSampleId :

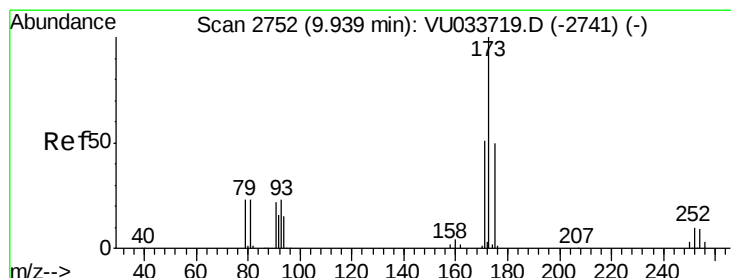
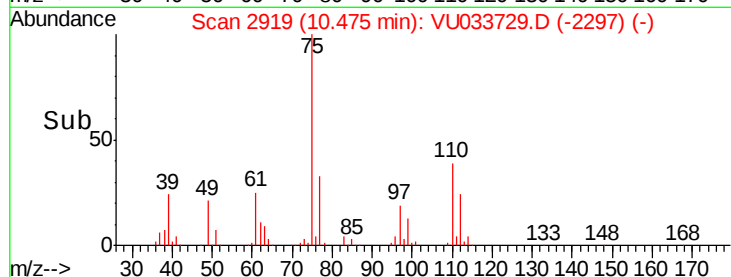
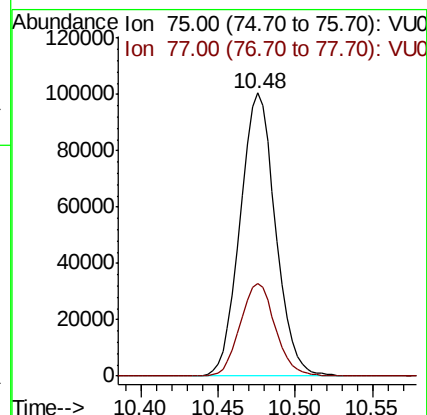
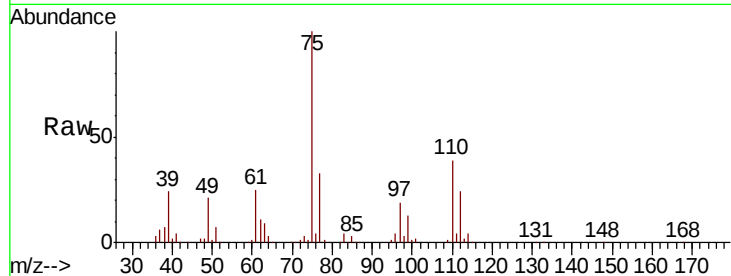
VSTD05059

Tgt Ion: 75 Resp: 159674

Ion Ratio Lower Upper

75 100

77 32.6 26.4 39.6



#61

Bromoform

Concen: 46.387 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

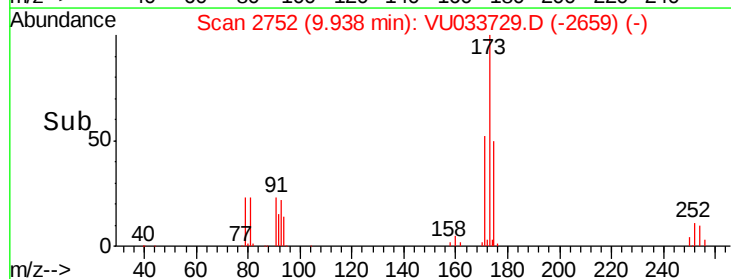
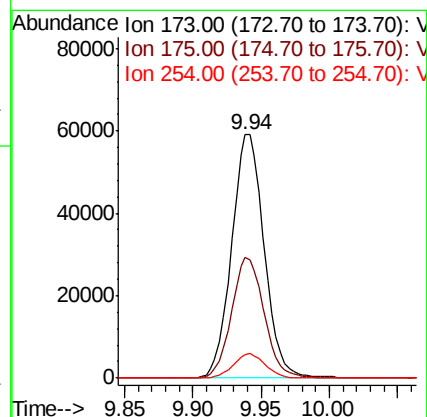
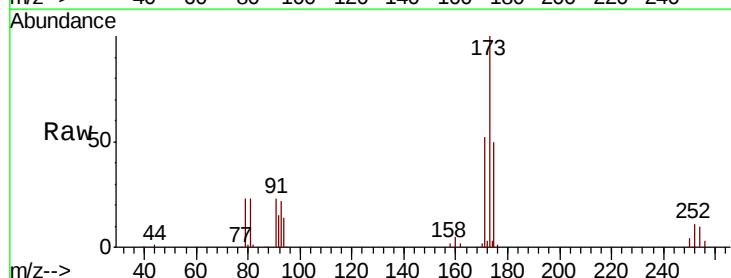
Tgt Ion: 173 Resp: 97950

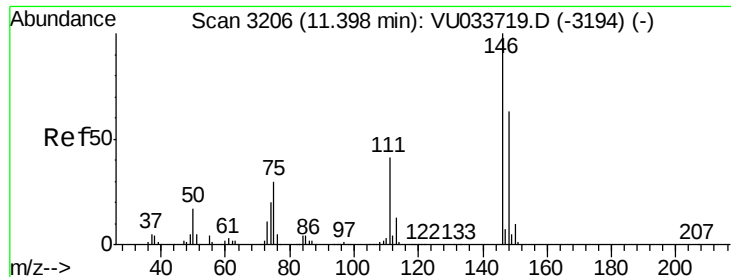
Ion Ratio Lower Upper

173 100

175 49.6 39.8 59.8

254 9.7 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 46.440 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTD05059

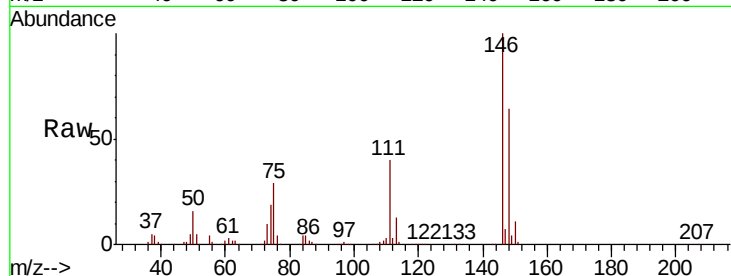
Tgt Ion:146 Resp: 248679

Ion Ratio Lower Upper

146 100

111 40.0 27.0 50.2

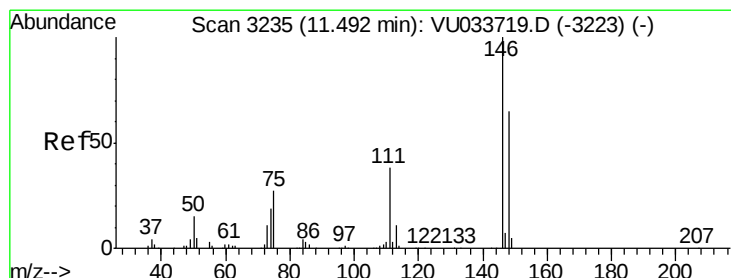
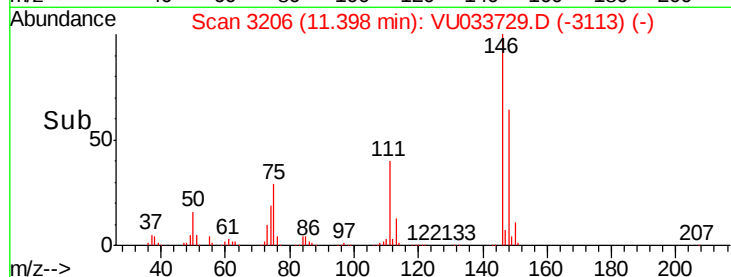
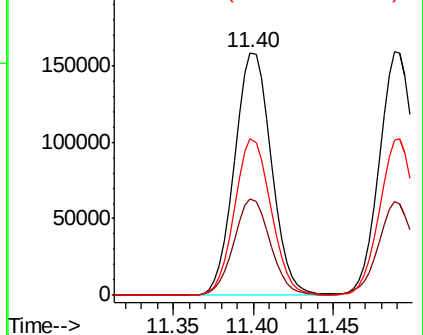
148 64.4 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 46.082 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

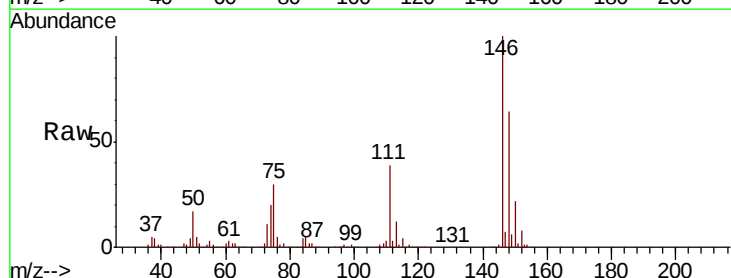
Tgt Ion:146 Resp: 249949

Ion Ratio Lower Upper

146 100

111 38.6 26.0 48.4

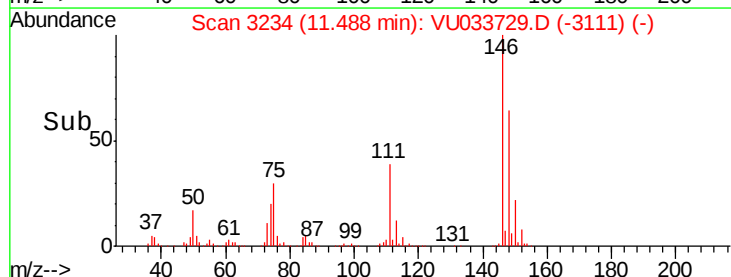
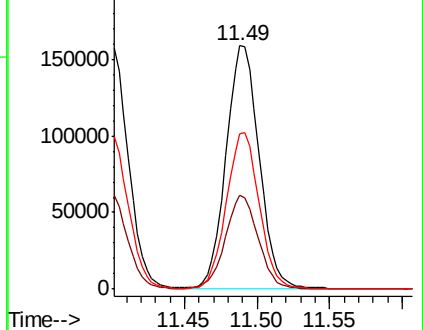
148 63.9 45.3 84.1

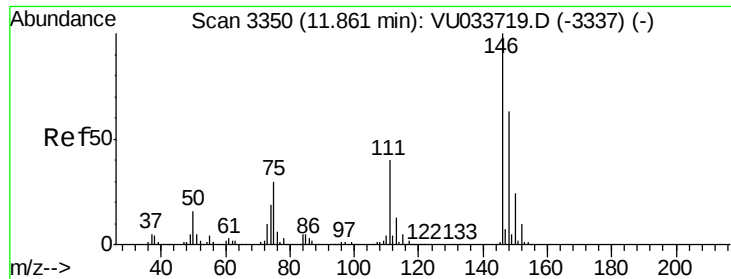


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.216 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTD05059

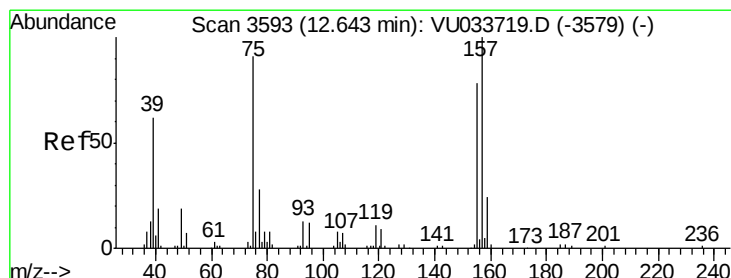
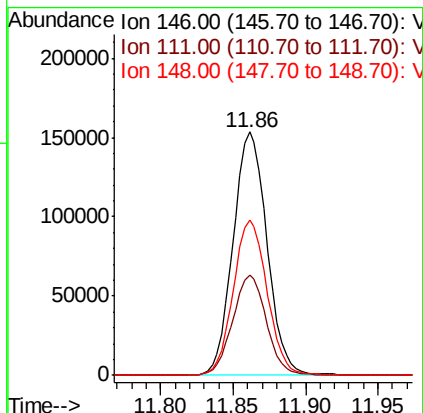
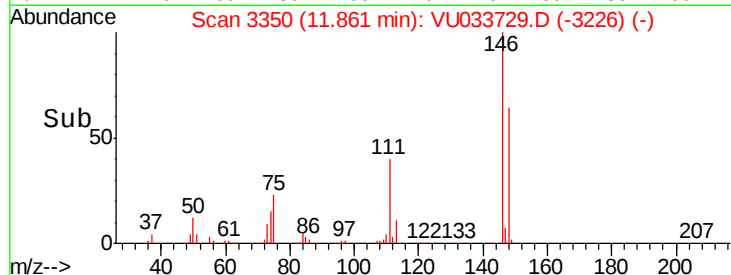
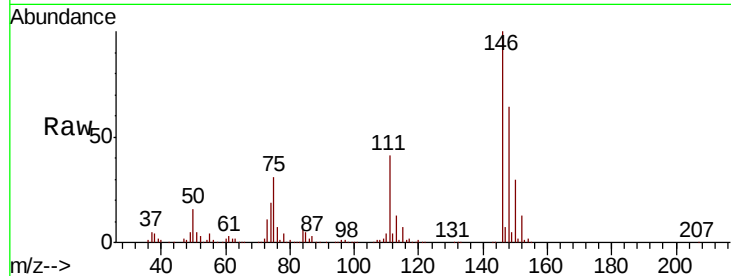
Tgt Ion:146 Resp: 249954

Ion Ratio Lower Upper

146 100

111 41.4 32.2 48.2

148 63.7 50.3 75.5



#66

1,2-Dibromo-3-chloropropane

Concen: 49.031 ug/L

RT: 12.64 min Scan# 3592

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

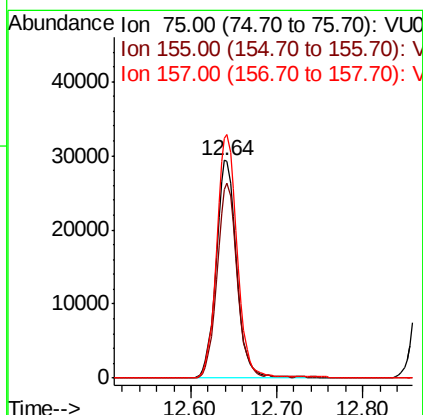
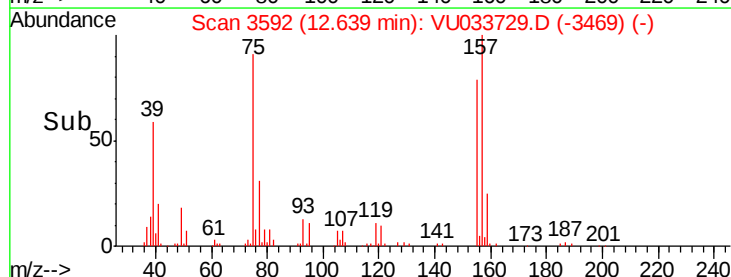
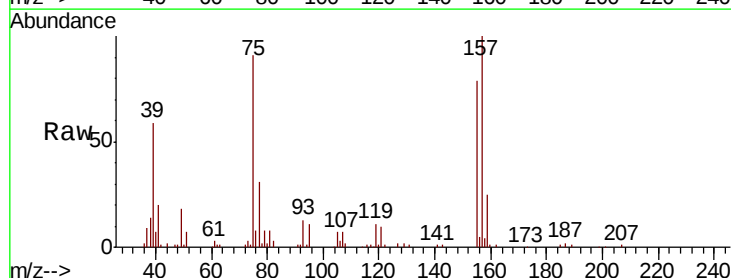
Tgt Ion: 75 Resp: 49038

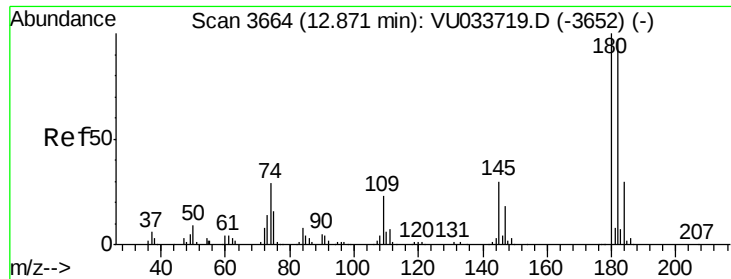
Ion Ratio Lower Upper

75 100

155 86.6 72.7 109.1

157 110.0 88.6 132.8

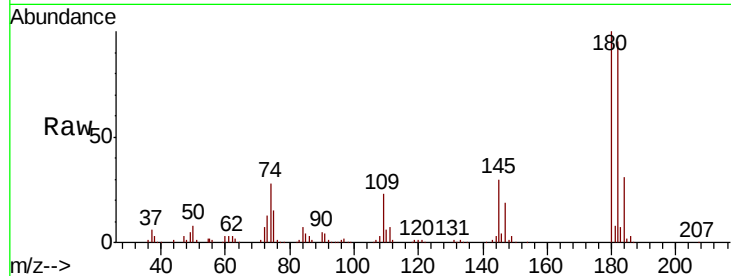




#67  
 1,3,5-Trichlorobenzene  
 Concen: 44.454 ug/L  
 RT: 12.87 min Scan# 3665  
 Delta R.T. 0.00 min  
 Lab File: VU033729.D  
 Acq: 10 Aug 2019 20:30

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD05059

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.7  | 76.5  | 114.7 |
| 184     | 30.6  | 24.2  | 36.2  |
| 145     | 29.4  | 22.3  | 33.5  |



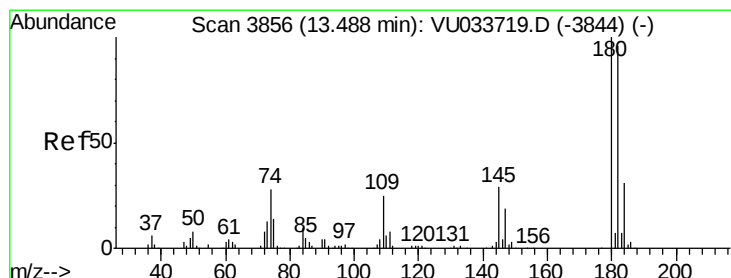
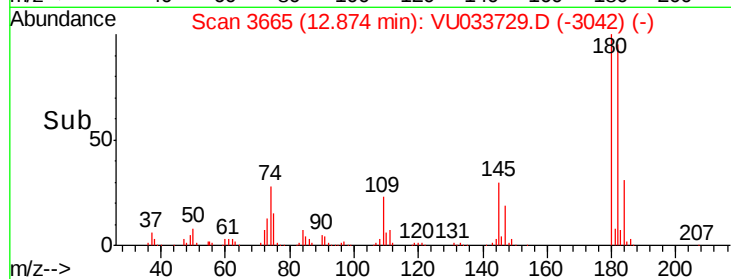
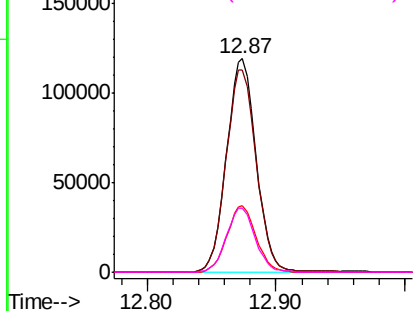
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

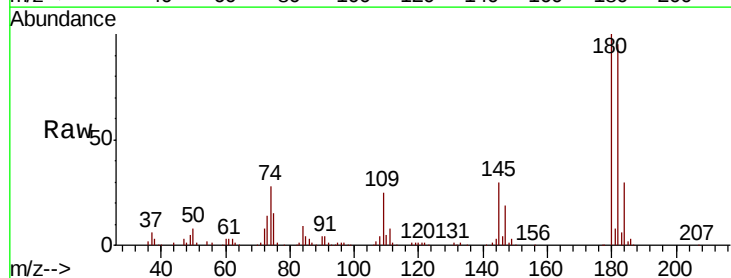
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68  
 1,2,4-trichlorobenzene  
 Concen: 44.400 ug/L  
 RT: 13.49 min Scan# 3856  
 Delta R.T. -0.00 min  
 Lab File: VU033729.D  
 Acq: 10 Aug 2019 20:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.9  | 78.2  | 117.4 |
| 145     | 29.0  | 23.5  | 35.3  |

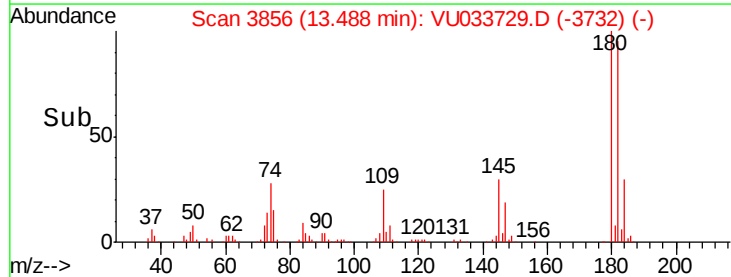
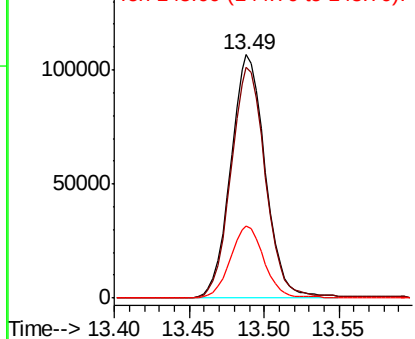


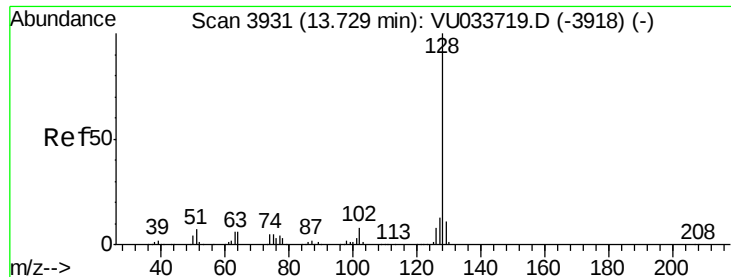
Abundance

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





#69

Naphthalene

Concen: 47.282 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

Instrument :

MSVOA\_U

ClientSampleId :

VSTD05059

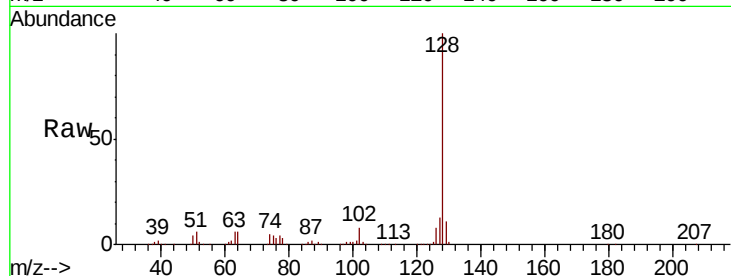
Tgt Ion:128 Resp: 545983

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

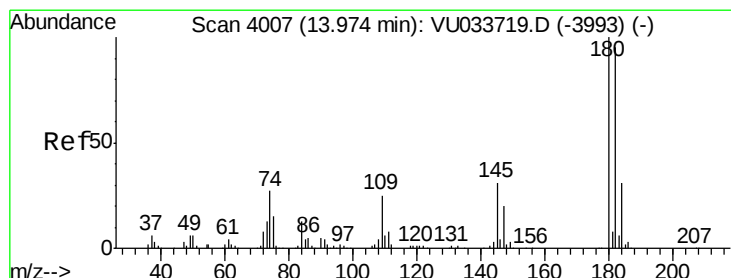
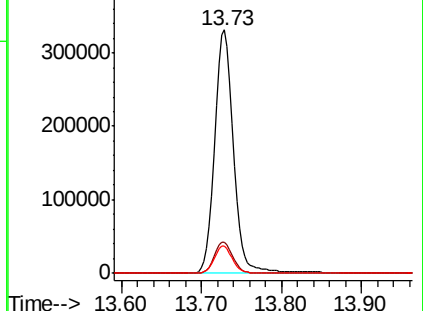
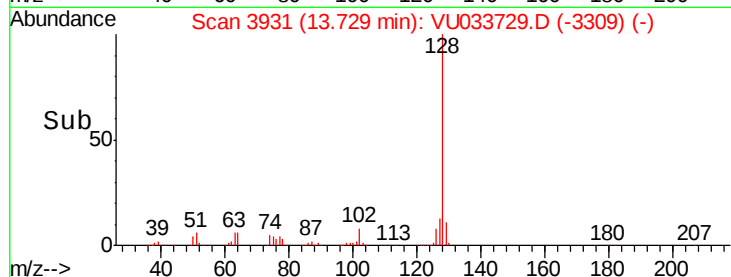
129 10.8 8.6 13.0



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: 45.405 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. -0.00 min

Lab File: VU033729.D

Acq: 10 Aug 2019 20:30

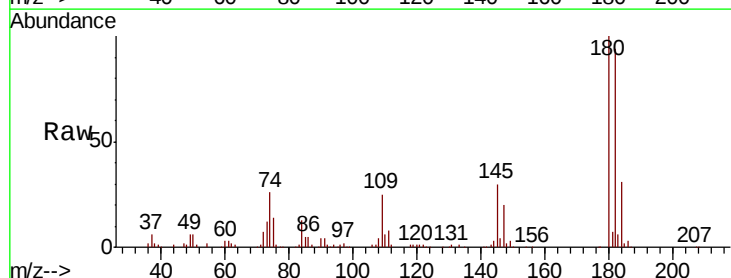
Tgt Ion:180 Resp: 180964

Ion Ratio Lower Upper

180 100

182 94.9 78.5 117.7

145 30.7 24.6 37.0



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

