

Data File : VU035327.D  
Acq On : 21 Oct 2019 16:05  
Operator : JC/SP  
Sample : VSTDCCC005  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD00529

Quant Time: Oct 22 06:37:07 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101719WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Oct 19 06:13:43 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 377318   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 366855   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 175482   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 90379    | 3.93     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 78.60% |
| 7) Chloroethane-d5             | 1.93   | 69    | 86900    | 4.13     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 82.60% |
| 11) 1,1-Dichloroethene-d2      | 2.60   | 63    | 192535   | 4.53     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 90.60% |
| 20) 2-Butanone-d5              | 4.70   | 46    | 309409   | 46.80    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 93.60% |
| 24) Chloroform-d               | 5.11   | 84    | 191874   | 4.56     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.20% |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 103029   | 4.42     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.40% |
| 32) Benzene-d6                 | 5.77   | 84    | 354280   | 4.22     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 84.40% |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 121278   | 4.55     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.00% |
| 41) Toluene-d8                 | 7.93   | 98    | 326053   | 4.06     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 81.20% |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 51180    | 3.96     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 79.20% |
| 46) 2-Hexanone-d5              | 8.68   | 63    | 253152   | 44.40    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 88.80% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 110184   | 4.64     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.80% |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 127975   | 4.00     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 80.00% |

#### Target Compounds

|                                |      |     |        |             | Qvalue |
|--------------------------------|------|-----|--------|-------------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 178269 | 5.551 ug/L  | 99     |
| 3) Chloromethane               | 1.54 | 50  | 182654 | 5.734 ug/L  | 99     |
| 5) Vinyl chloride              | 1.62 | 62  | 186982 | 5.715 ug/L  | 100    |
| 6) Bromomethane                | 1.87 | 94  | 104364 | 5.403 ug/L  | 98     |
| 8) Chloroethane                | 1.95 | 64  | 113241 | 5.369 ug/L  | 98     |
| 9) Trichlorofluoromethane      | 2.16 | 101 | 238717 | 5.465 ug/L  | 100    |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.61 | 101 | 139159 | 5.530 ug/L  | 96     |
| 12) 1,1-Dichloroethene         | 2.61 | 96  | 127570 | 5.263 ug/L  | 86     |
| 13) Acetone                    | 2.67 | 43  | 255943 | 55.652 ug/L | 100    |
| 14) Carbon disulfide           | 2.82 | 76  | 411782 | 5.372 ug/L  | 99     |
| 15) Methyl Acetate             | 3.00 | 43  | 57503  | 5.018 ug/L  | 99     |
| 16) Methylene chloride         | 3.08 | 84  | 164633 | 5.646 ug/L  | 98     |
| 17) Methyl tert-butyl Ether    | 3.43 | 73  | 343453 | 5.264 ug/L  | 99     |
| 18) trans-1,2-Dichloroethene   | 3.39 | 96  | 141585 | 5.412 ug/L  | 96     |
| 19) 1,1-Dichloroethane         | 3.92 | 63  | 269743 | 5.702 ug/L  | 99     |
| 21) 2-Butanone                 | 4.78 | 43  | 382009 | 50.962 ug/L | 99     |
| 22) cis-1,2-Dichloroethene     | 4.72 | 96  | 158621 | 5.486 ug/L  | 100    |

Data File : VU035327.D  
Acq On : 21 Oct 2019 16:05  
Operator : JC/SP  
Sample : VSTDCCC005  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD00529

Quant Time: Oct 22 06:37:07 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101719WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Oct 19 06:13:43 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 23) Bromochloromethane         | 5.02  | 128  | 68308    | 5.488  | ug/L  | 97       |
| 25) Chloroform                 | 5.14  | 83   | 279876   | 5.392  | ug/L  | 99       |
| 27) 1,2-Dichloroethane         | 5.84  | 62   | 171119   | 5.375  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane      | 5.36  | 97   | 233722   | 5.439  | ug/L  | 99       |
| 30) Cyclohexane                | 5.43  | 56   | 239892   | 5.212  | ug/L  | 99       |
| 31) Carbon tetrachloride       | 5.56  | 117  | 205177   | 5.303  | ug/L  | 100      |
| 33) Benzene                    | 5.82  | 78   | 592846   | 5.492  | ug/L  | 100      |
| 34) Trichloroethene            | 6.58  | 95   | 156283   | 5.385  | ug/L  | 98       |
| 35) Methylcyclohexane          | 6.80  | 83   | 254488   | 5.247  | ug/L  | 99       |
| 37) 1,2-Dichloropropane        | 6.83  | 63   | 151384   | 5.525  | ug/L  | 99       |
| 38) Bromodichloromethane       | 7.15  | 83   | 194983   | 5.282  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene    | 7.65  | 75   | 235216   | 5.129  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone       | 7.84  | 43   | 933227   | 50.450 | ug/L  | 99       |
| 42) Toluene                    | 8.01  | 91   | 653613   | 5.485  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene  | 8.25  | 75   | 191389   | 5.106  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane      | 8.44  | 97   | 108994   | 5.358  | ug/L  | 96       |
| 47) Tetrachloroethene          | 8.58  | 164  | 127482   | 5.273  | ug/L  | 98       |
| 48) 2-Hexanone                 | 8.73  | 43   | 653949   | 50.409 | ug/L  | 99       |
| 49) Dibromochloromethane       | 8.84  | 129  | 133924   | 5.193  | ug/L  | 97       |
| 50) 1,2-Dibromoethane          | 8.96  | 107  | 103611   | 5.095  | ug/L  | 99       |
| 51) Chlorobenzene              | 9.48  | 112  | 416505   | 5.414  | ug/L  | 99       |
| 52) Ethylbenzene               | 9.60  | 91   | 729200   | 5.382  | ug/L  | 99       |
| 53) m,p-Xylene                 | 9.73  | 106  | 272710   | 5.330  | ug/L  | 100      |
| 54) o-Xylene                   | 10.13 | 106  | 263085   | 5.268  | ug/L  | 99       |
| 55) Styrene                    | 10.14 | 104  | 441886   | 5.435  | ug/L  | 99       |
| 56) Isopropylbenzene           | 10.51 | 105  | 711066   | 5.294  | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 10.81 | 83   | 140106   | 5.352  | ug/L  | 100      |
| 59) 1,2,3-Trichloropropane     | 10.85 | 75   | 100623   | 5.271  | ug/L  | 100      |
| 61) Bromoform                  | 10.32 | 173  | 79719    | 4.904  | ug/L  | 98       |
| 62) 1,3-Dichlorobenzene        | 11.77 | 146  | 314126   | 5.246  | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene        | 11.86 | 146  | 310455   | 5.273  | ug/L  | 99       |
| 65) 1,2-Dichlorobenzene        | 12.24 | 146  | 296897   | 5.278  | ug/L  | 100      |
| 66) 1,2-Dibromo-3-chloropropan | 13.03 | 75   | 19014    | 4.785  | ug/L  | 93       |
| 67) 1,3,5-Trichlorobenzene     | 13.25 | 180  | 199097   | 5.365  | ug/L  | 98       |
| 68) 1,2,4-trichlorobenzene     | 13.87 | 180  | 138949   | 5.625  | ug/L  | 99       |
| 69) Naphthalene                | 14.11 | 128  | 206756   | 6.098  | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene     | 14.36 | 180  | 131293   | 5.684  | ug/L  | 98       |

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

Data File : VU035327.D

Acq On : 21 Oct 2019 16:05

Operator : JC/SP

Sample : VSTDCCC005

Misc : 25.0mL/MSVOA U/WATER

```
ALS Vial      : 2      Sample Multiplier: 1
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**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
VSTD00529

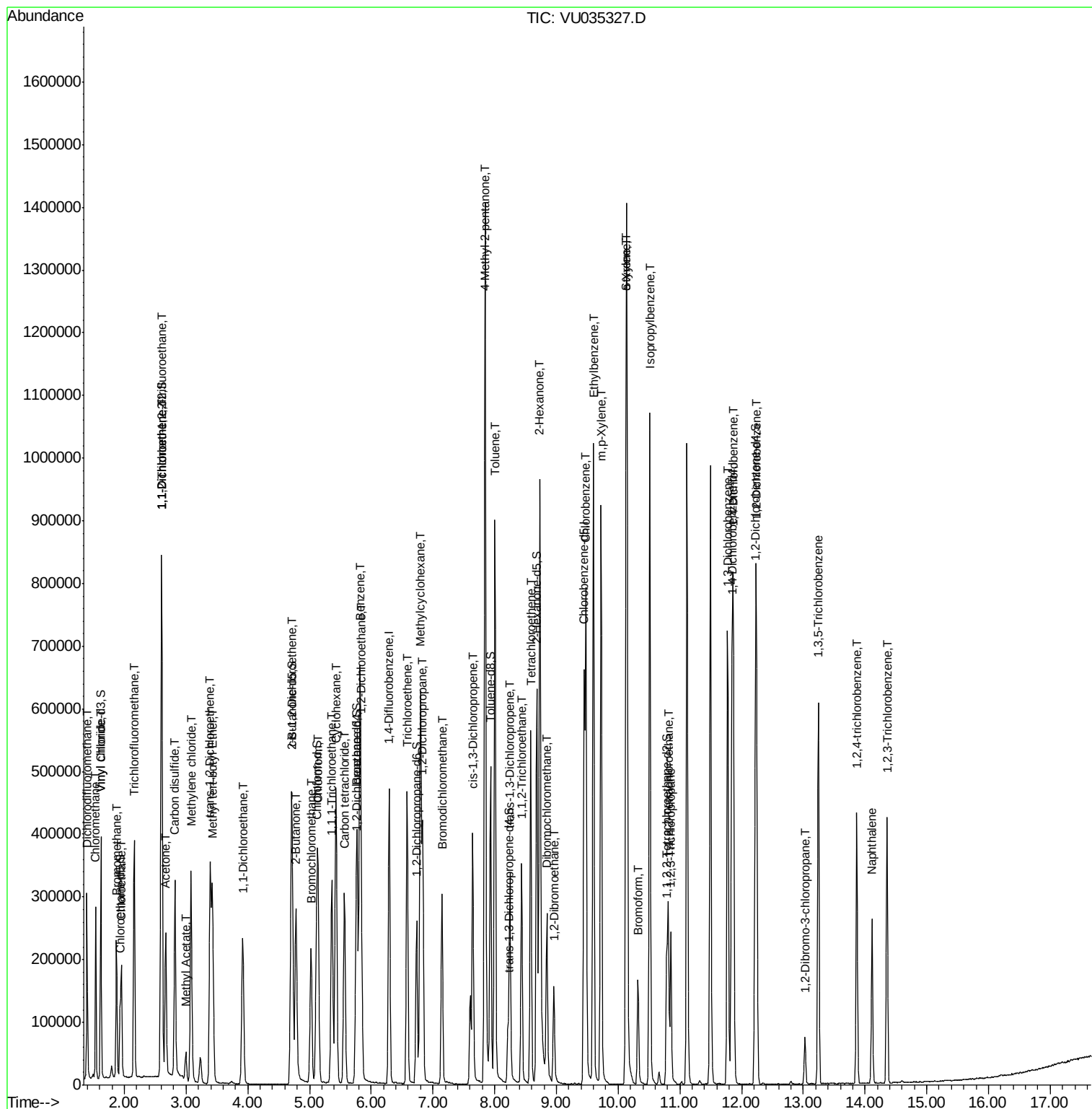
Quant Time: Oct 22 06:37:07 2019

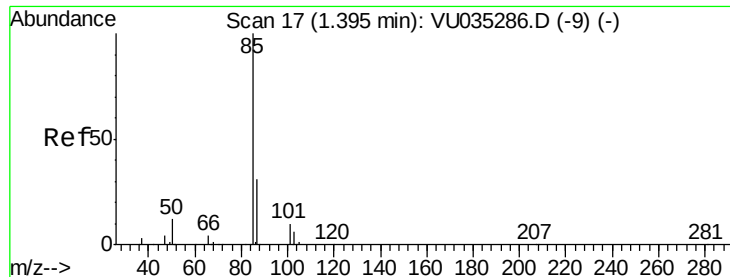
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A\_U\METHOD\SOMUTR101719WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Oct 19 06:13:43 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.551 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

Instrument :

MSVOA\_U

ClientSampleId :

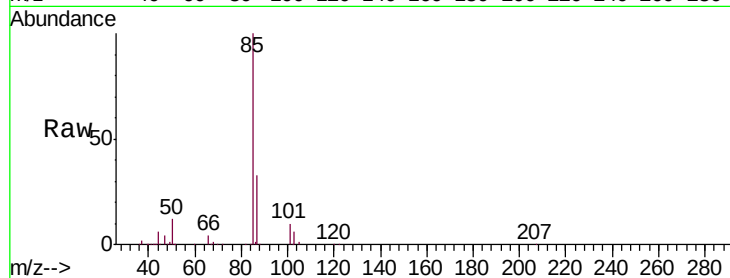
VSTD00529

Tgt Ion: 85 Resp: 178269

Ion Ratio Lower Upper

85 100

87 32.6 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU035286.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035286.D (-9) (-)

1.39

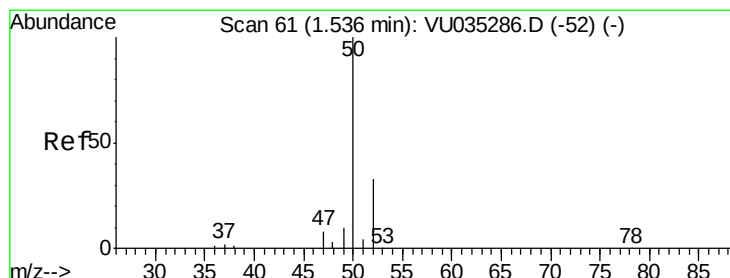
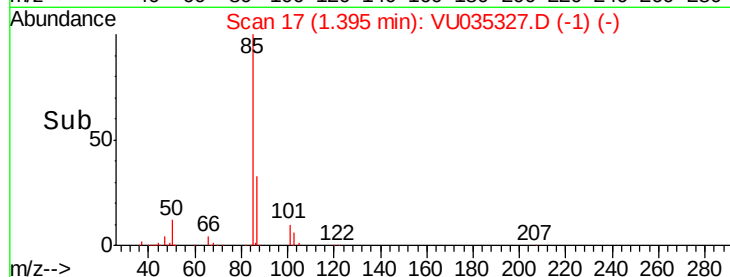
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.734 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035327.D

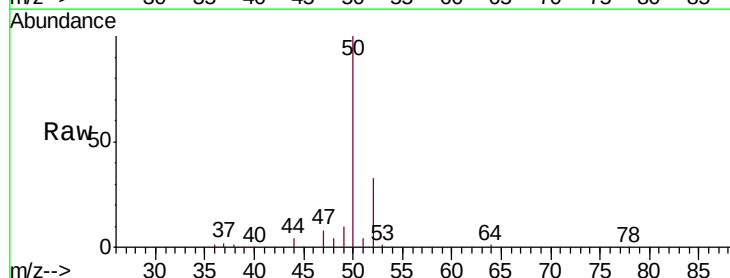
Acq: 21 Oct 2019 16:05

Tgt Ion: 50 Resp: 182654

Ion Ratio Lower Upper

50 100

52 33.1 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU035286.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU035286.D (-52) (-)

1.54

200000

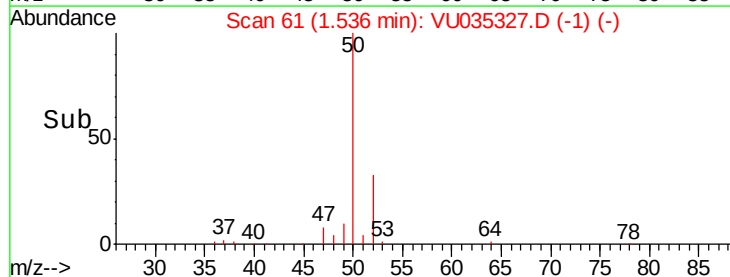
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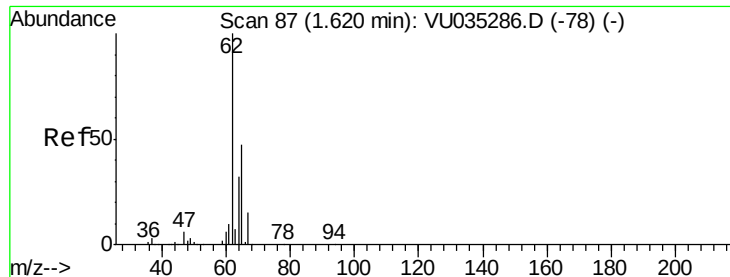
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 5.715 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

Instrument :

MSVOA\_U

ClientSampleId :

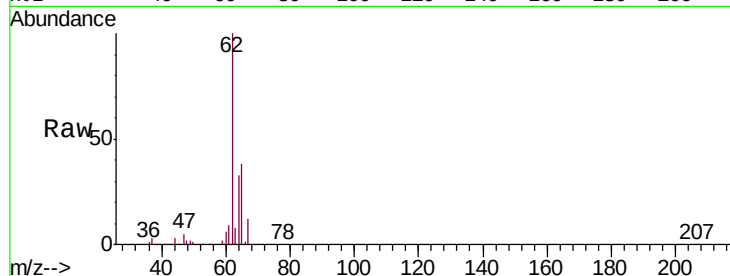
VSTD00529

Tgt Ion: 62 Resp: 186982

Ion Ratio Lower Upper

62 100

64 33.0 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035327.D (-73) (-)

Ion 64.10 (63.80 to 64.80): VU035327.D (-73) (-)

1.62

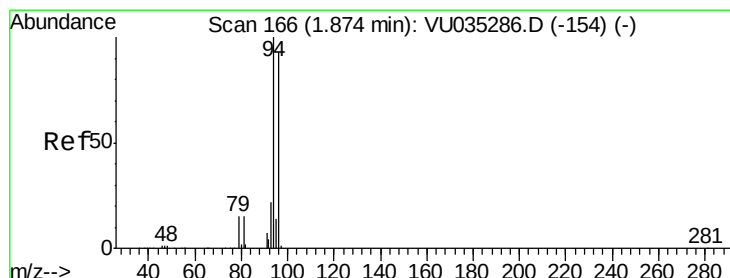
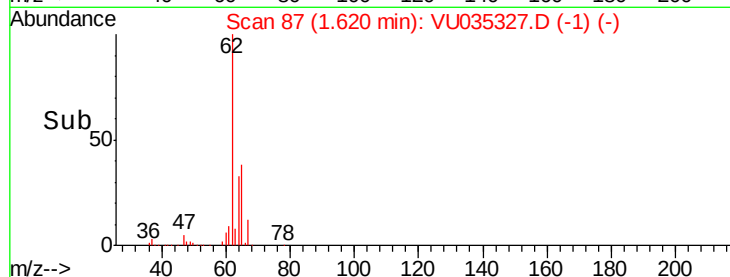
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 5.403 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035327.D

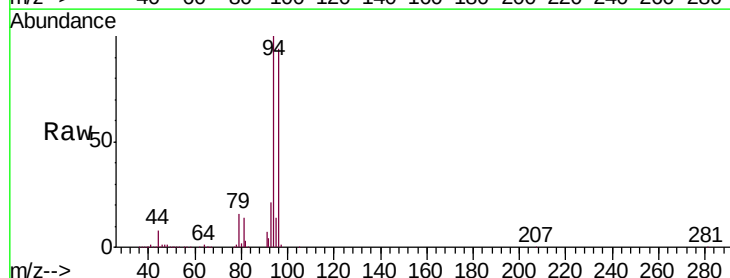
Acq: 21 Oct 2019 16:05

Tgt Ion: 94 Resp: 104364

Ion Ratio Lower Upper

94 100

96 94.2 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU035327.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU035327.D (-73) (-)

1.87

80000

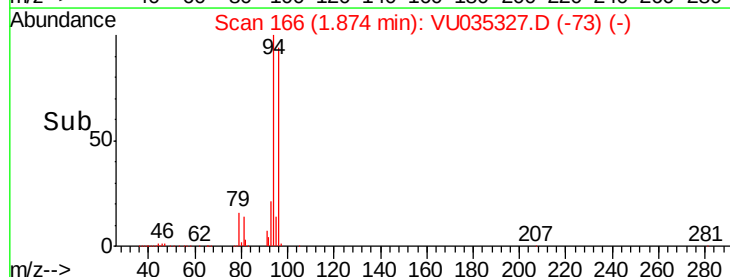
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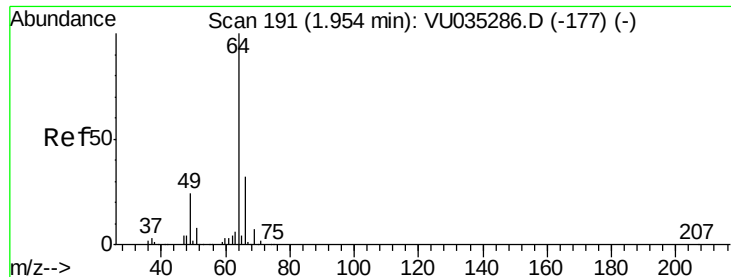
40000

20000

0

Time-->





#8

Chloroethane

Concen: 5.369 ug/L

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

Instrument :

MSVOA\_U

ClientSampleId :

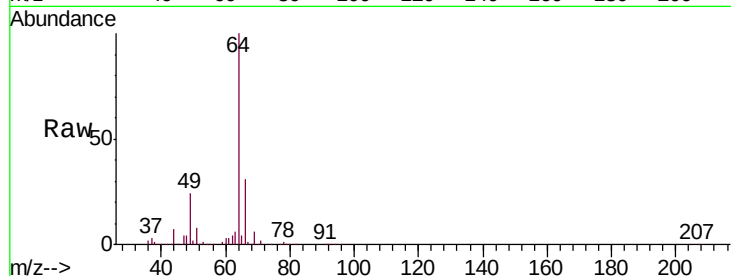
VSTD00529

Tgt Ion: 64 Resp: 113241

Ion Ratio Lower Upper

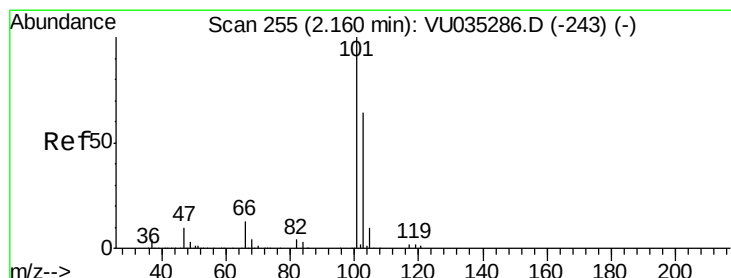
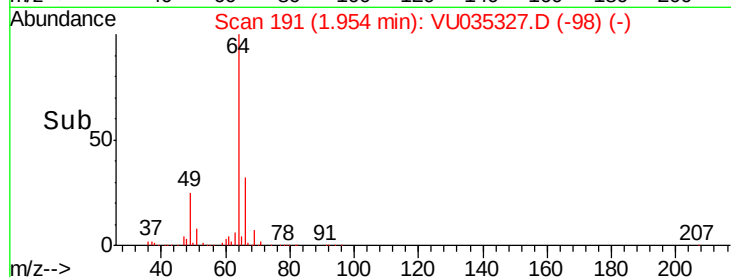
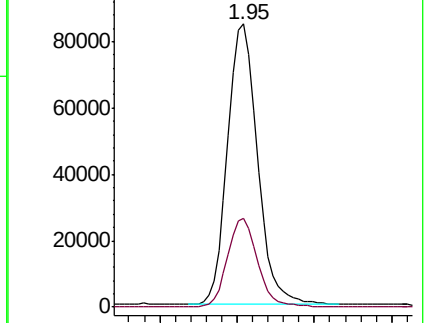
64 100

66 31.5 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU035327.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU035327.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 5.465 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU035327.D

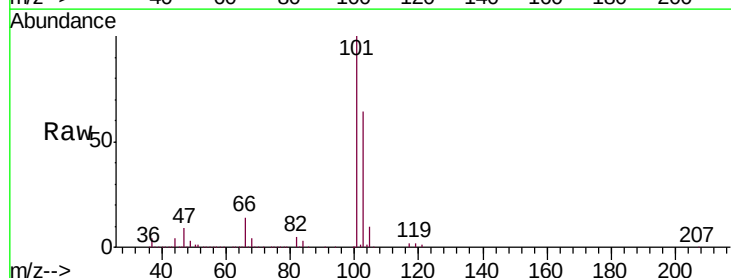
Acq: 21 Oct 2019 16:05

Tgt Ion: 101 Resp: 238717

Ion Ratio Lower Upper

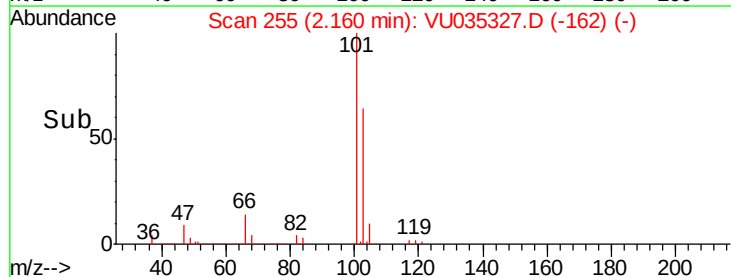
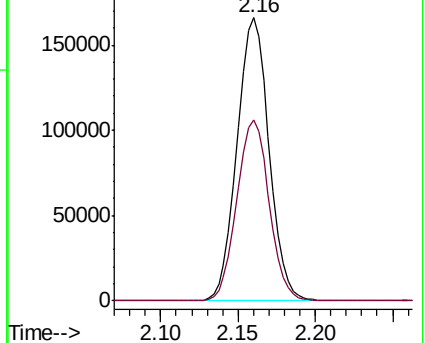
101 100

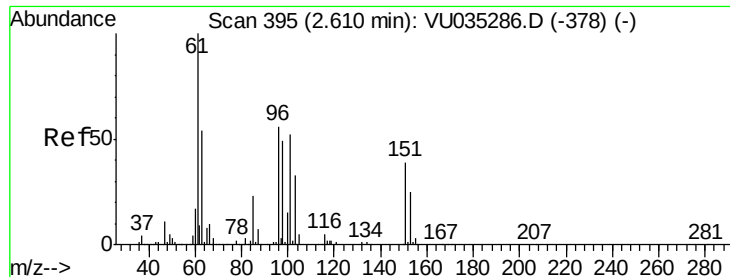
103 64.6 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU035327.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU035327.D (-243) (-)





#10

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

Concen: 5.530 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTD00529

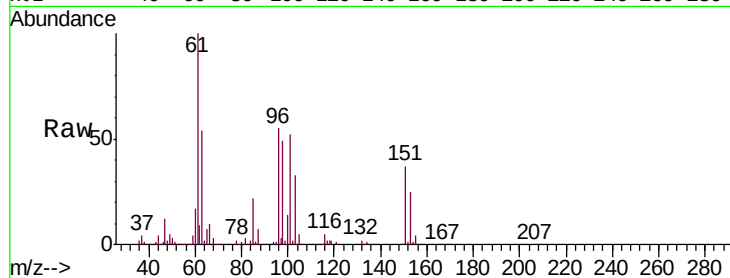
Tgt Ion: 101 Resp: 139159

Ion Ratio Lower Upper

101 100

85 43.2 33.9 50.9

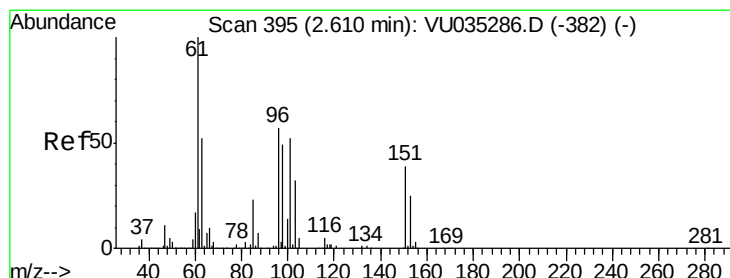
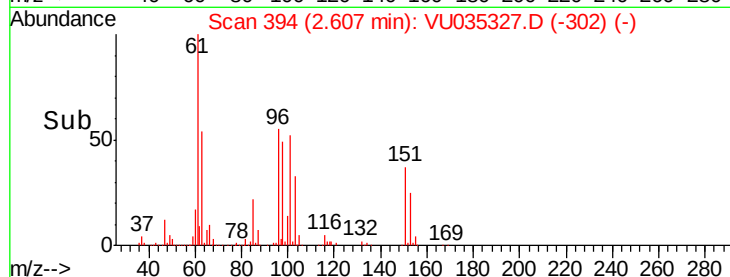
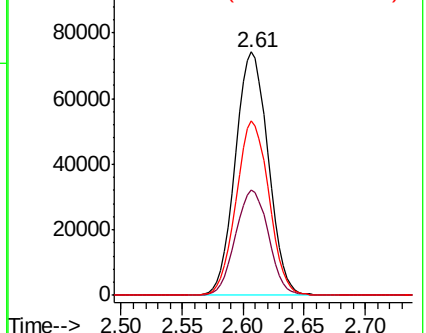
151 71.1 61.0 91.4



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: 5.263 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

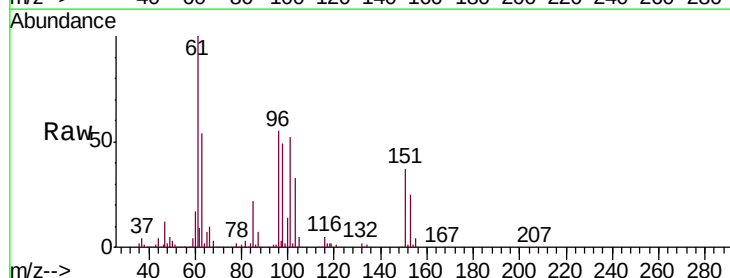
Tgt Ion: 96 Resp: 127570

Ion Ratio Lower Upper

96 100

61 182.1 120.6 224.0

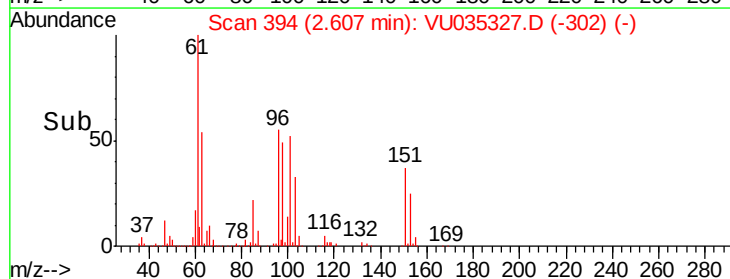
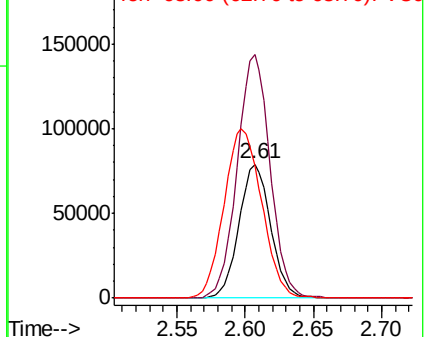
63 98.6 86.8 161.2

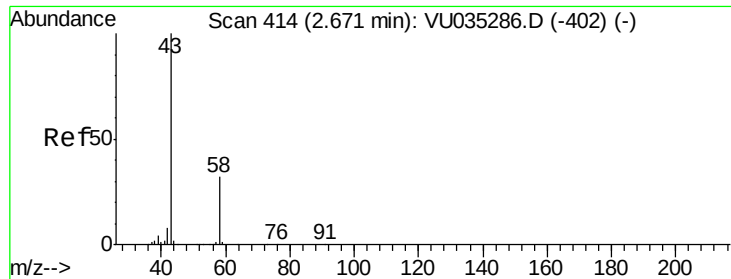


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.652 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

Instrument :

MSVOA\_U

ClientSampleId :

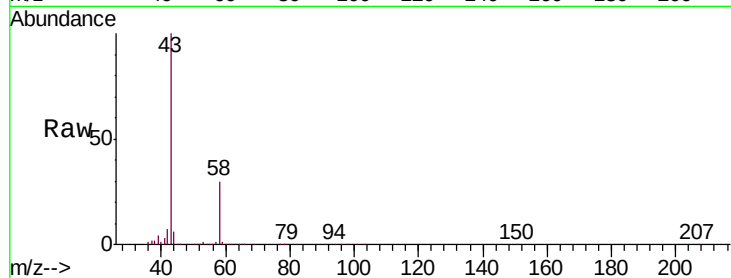
VSTD00529

Tgt Ion: 43 Resp: 255943

Ion Ratio Lower Upper

43 100

58 30.7 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035286.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035286.D (-402) (-)

2.67

150000

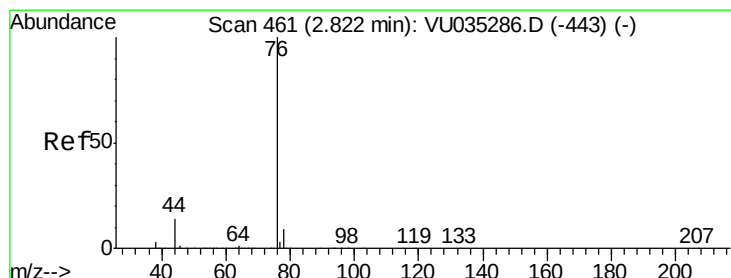
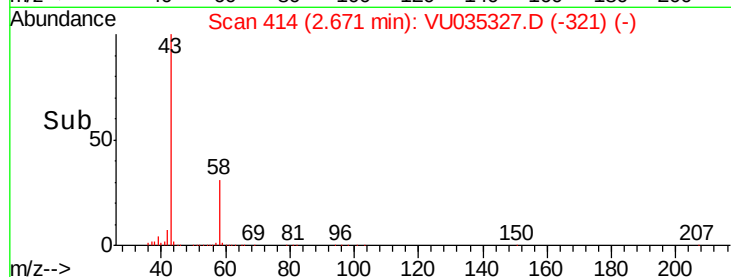
100000

50000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 5.372 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU035327.D

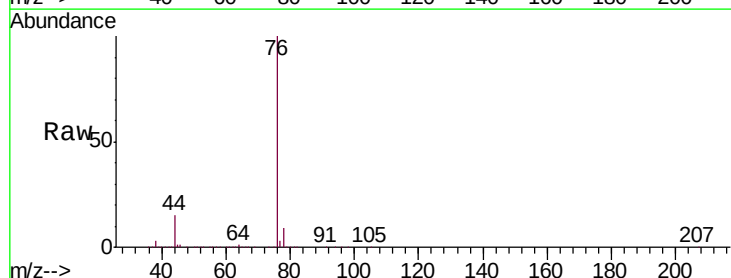
Acq: 21 Oct 2019 16:05

Tgt Ion: 76 Resp: 411782

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU035286.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU035286.D (-443) (-)

2.82

250000

200000

150000

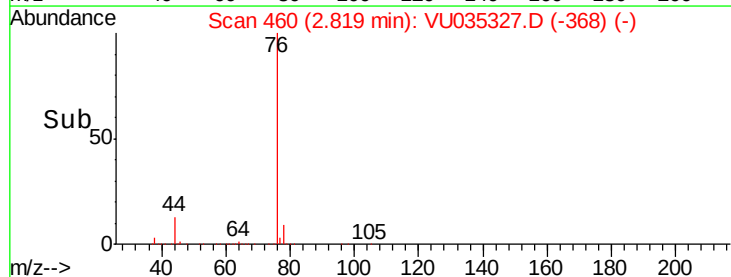
100000

50000

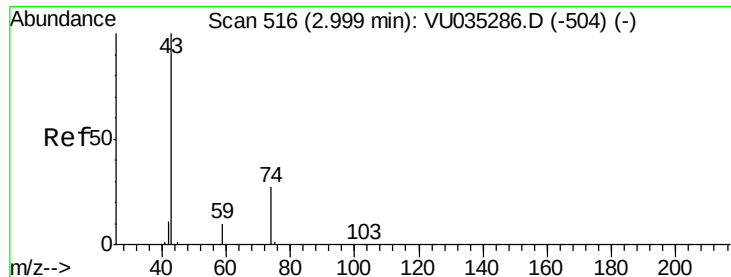
0

2.70 2.80 2.90

Time-->



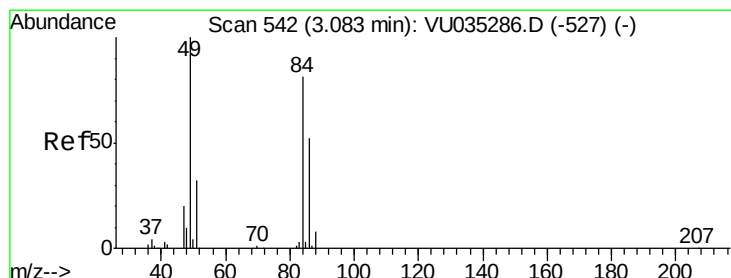
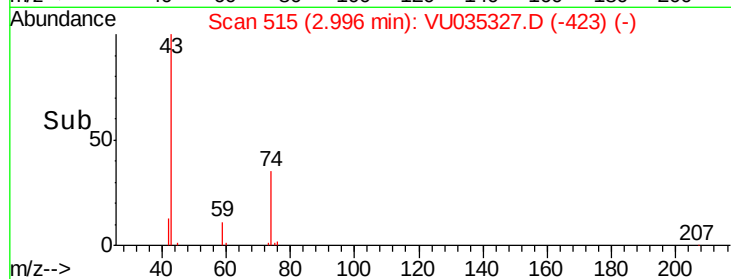
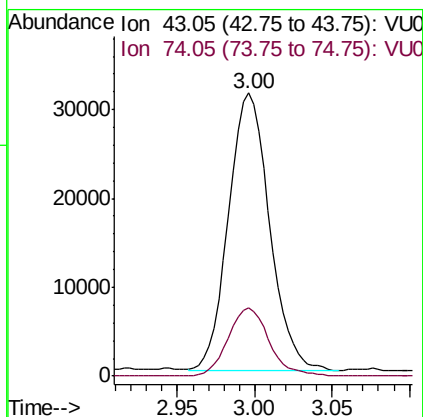
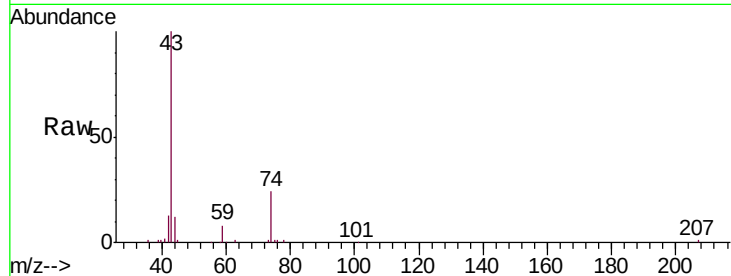




#15  
Methyl Acetate  
Concen: 5.018 ug/L  
RT: 3.00 min Scan# 515  
Delta R.T. -0.00 min  
Lab File: VU035327.D  
Acq: 21 Oct 2019 16:05

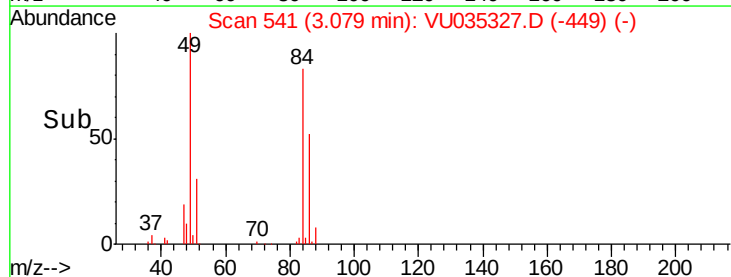
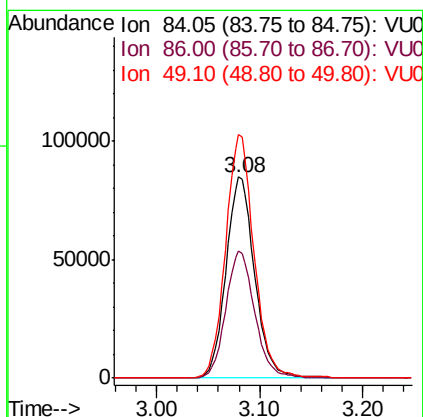
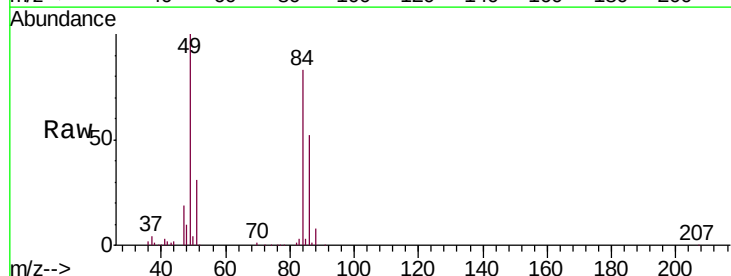
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD00529

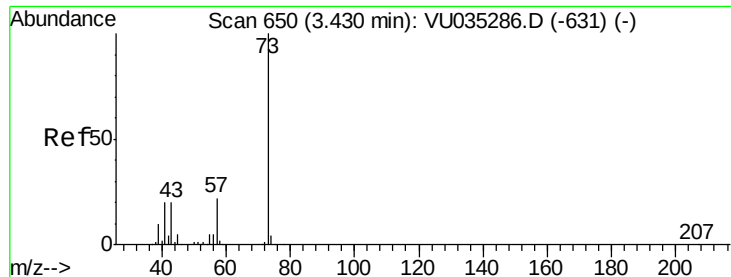
Tgt Ion: 43 Resp: 57503  
Ion Ratio Lower Upper  
43 100  
74 24.7 20.3 30.5



#16  
Methylene chloride  
Concen: 5.646 ug/L  
RT: 3.08 min Scan# 541  
Delta R.T. -0.00 min  
Lab File: VU035327.D  
Acq: 21 Oct 2019 16:05

Tgt Ion: 84 Resp: 164633  
Ion Ratio Lower Upper  
84 100  
86 63.1 45.4 84.2  
49 121.1 86.8 161.2

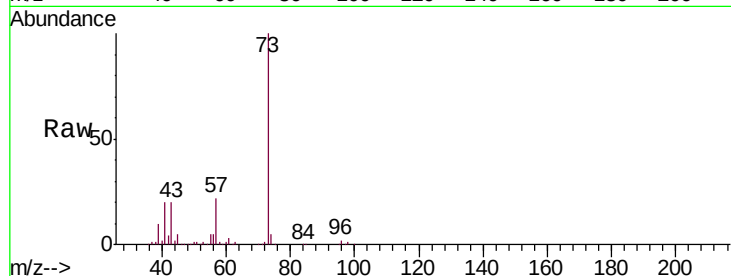




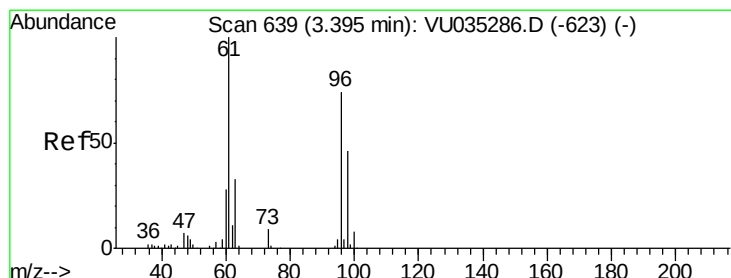
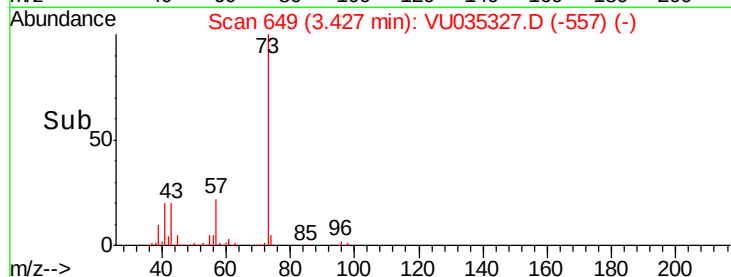
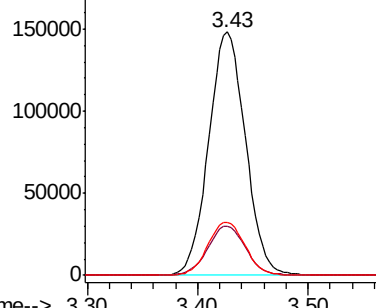
#17  
Methyl tert-butyl Ether  
Concen: 5.264 ug/L  
RT: 3.43 min Scan# 649  
Delta R.T. -0.00 min  
Lab File: VU035327.D  
Acq: 21 Oct 2019 16:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD00529

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 43      | 20.5  | 16.0  | 24.0  |
| 57      | 22.2  | 17.4  | 26.2  |

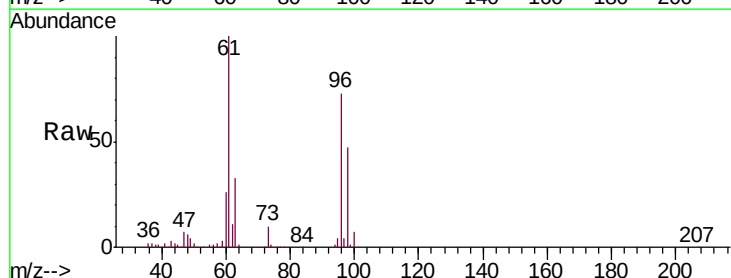


Abundance Ion 73.10 (72.80 to 73.80): VU0  
Ion 43.05 (42.75 to 43.75): VU0  
Ion 57.10 (56.80 to 57.80): VU0

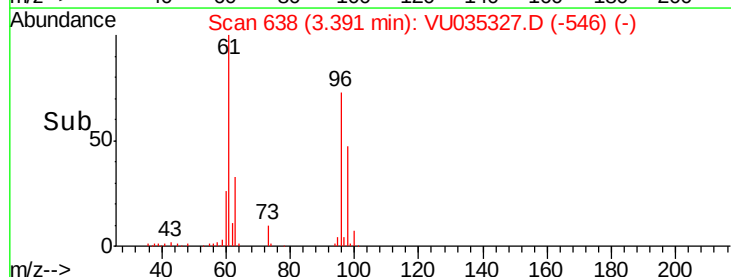
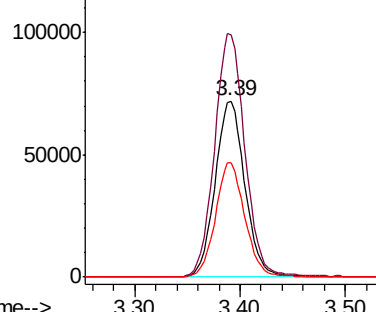


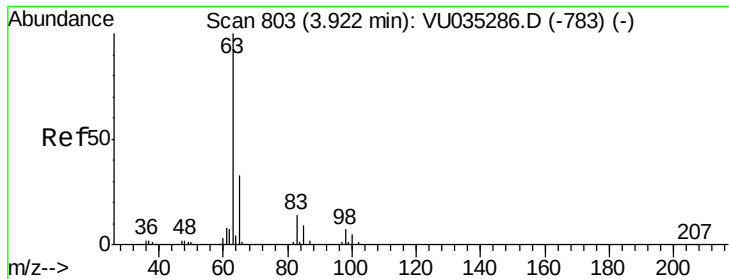
#18  
trans-1,2-Dichloroethene  
Concen: 5.412 ug/L  
RT: 3.39 min Scan# 638  
Delta R.T. -0.00 min  
Lab File: VU035327.D  
Acq: 21 Oct 2019 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 137.7 | 93.0  | 172.6 |
| 98      | 64.7  | 43.7  | 81.1  |



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

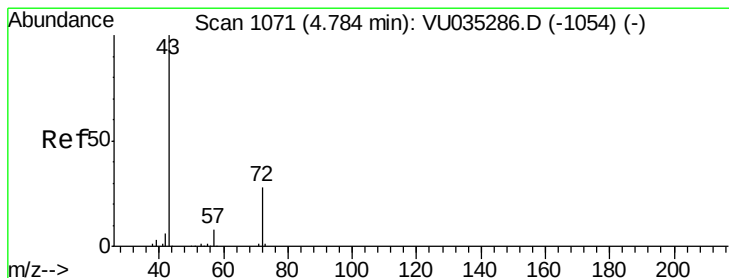
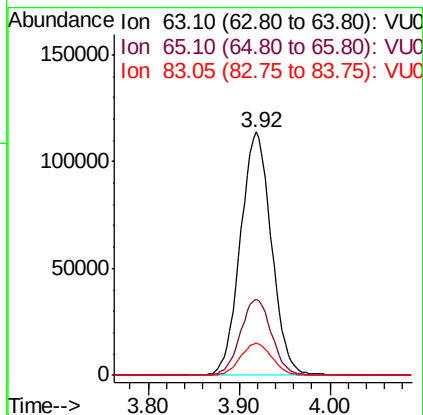
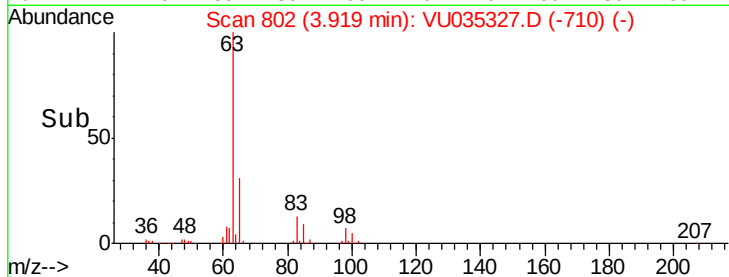
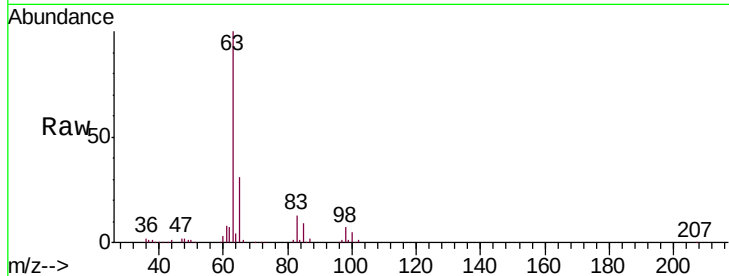




#19  
 1,1-Dichloroethane  
 Concen: 5.702 ug/L  
 RT: 3.92 min Scan# 802  
 Delta R.T. -0.00 min  
 Lab File: VU035327.D  
 Acq: 21 Oct 2019 16:05

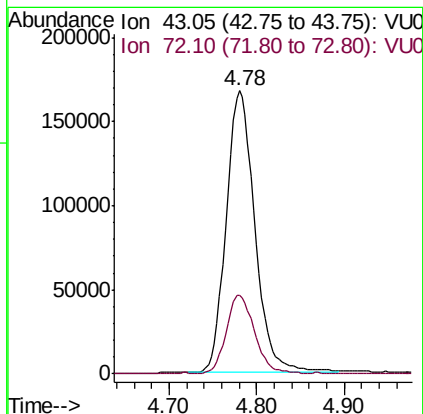
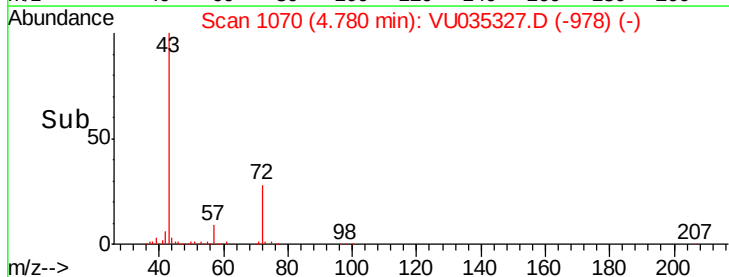
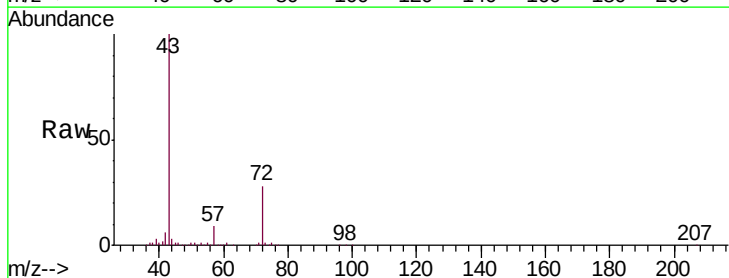
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00529

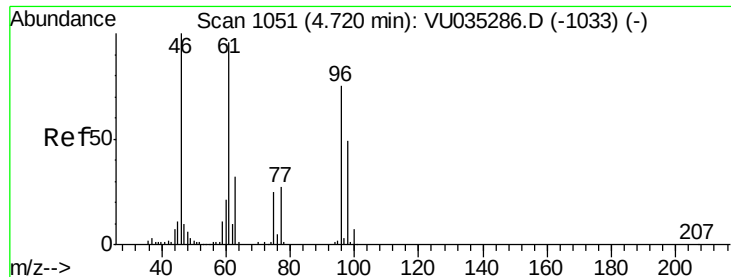
Tgt Ion: 63 Resp: 269743  
 Ion Ratio Lower Upper  
 63 100  
 65 31.3 22.4 41.6  
 83 13.1 9.3 17.3



#21  
 2-Butanone  
 Concen: 50.962 ug/L  
 RT: 4.78 min Scan# 1070  
 Delta R.T. -0.00 min  
 Lab File: VU035327.D  
 Acq: 21 Oct 2019 16:05

Tgt Ion: 43 Resp: 382009  
 Ion Ratio Lower Upper  
 43 100  
 72 26.7 13.6 40.8





#22

cis-1,2-Dichloroethene

Concen: 5.486 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTD00529

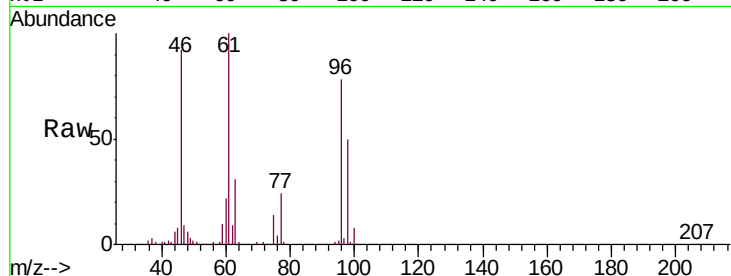
Tgt Ion: 96 Resp: 158621

Ion Ratio Lower Upper

96 100

61 127.9 89.7 166.5

68 0.0 0.0 0.0

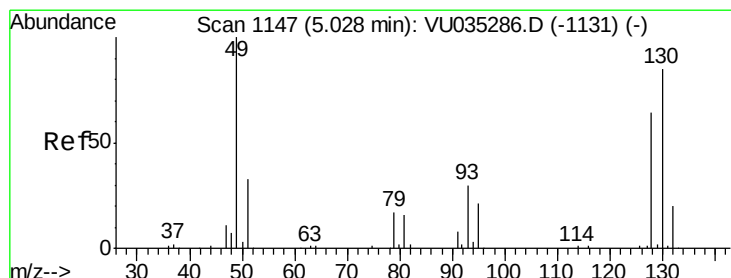
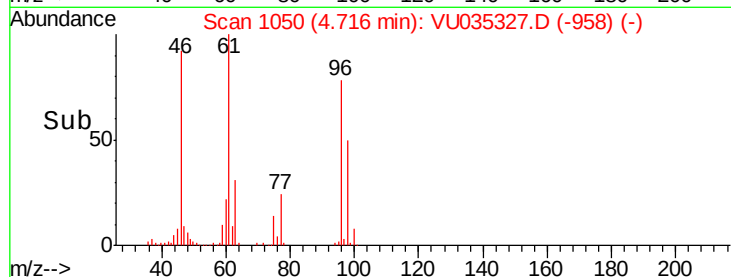
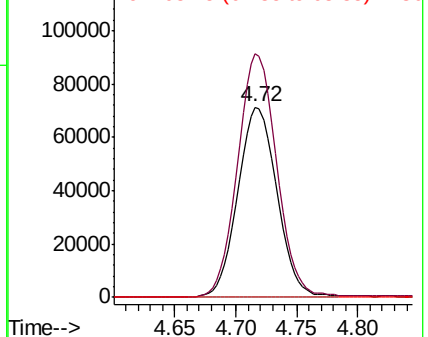


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.488 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

Tgt Ion: 128 Resp: 68308

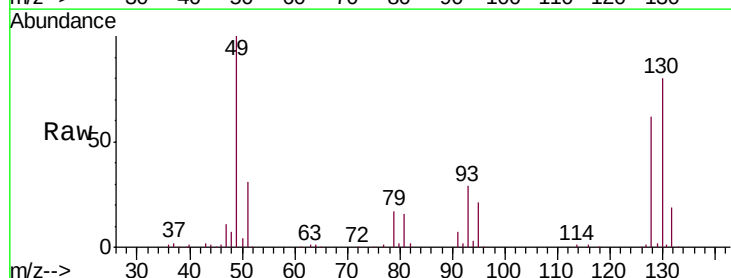
Ion Ratio Lower Upper

128 100

49 161.8 109.3 203.1

130 129.0 88.7 164.7

51 49.9 39.2 58.8



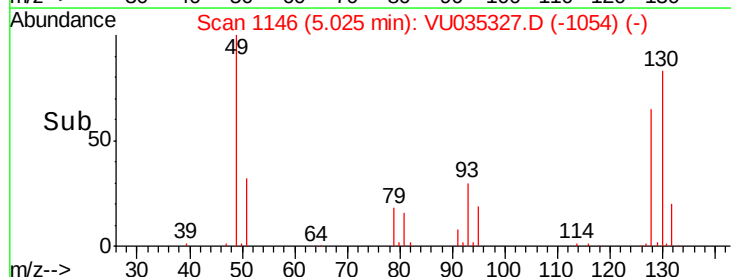
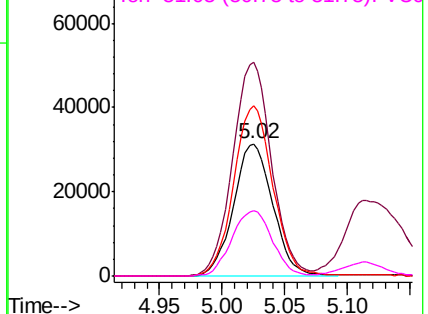
Abundance

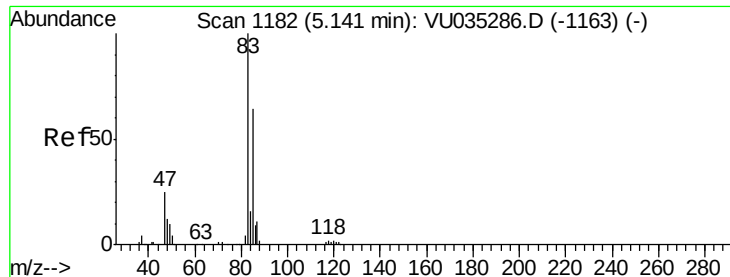
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

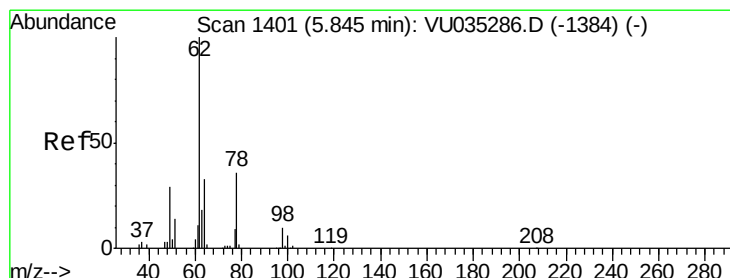
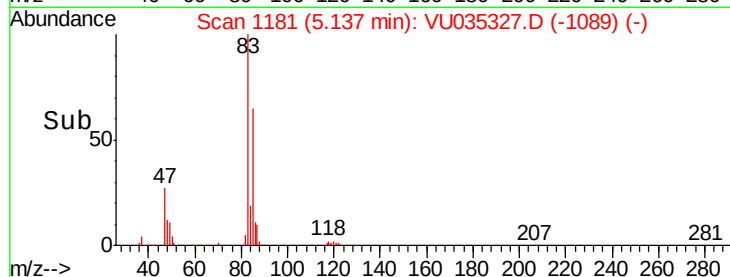
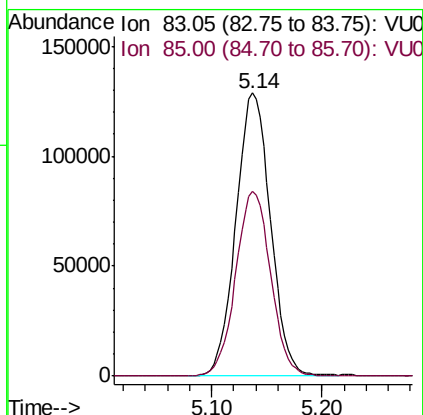
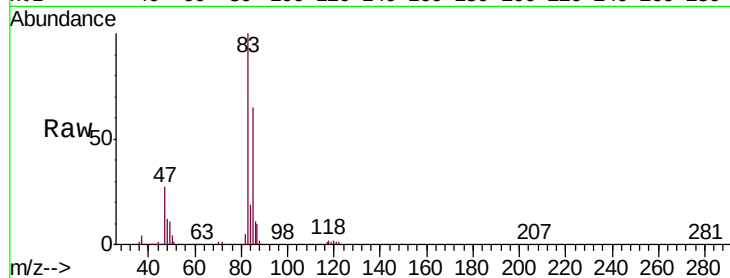




#25  
Chloroform  
Concen: 5.392 ug/L  
RT: 5.14 min Scan# 1181  
Delta R.T. -0.00 min  
Lab File: VU035327.D  
Acq: 21 Oct 2019 16:05

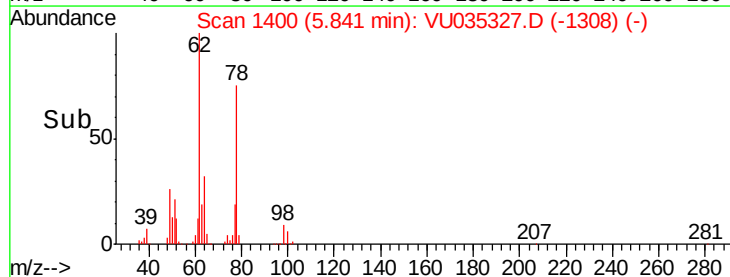
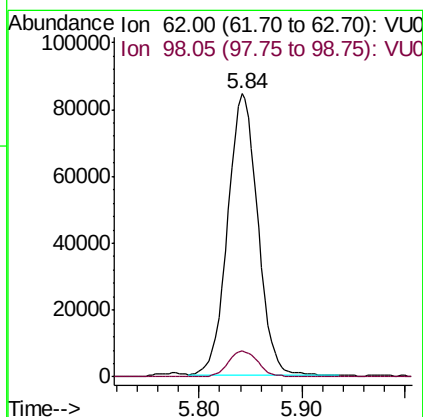
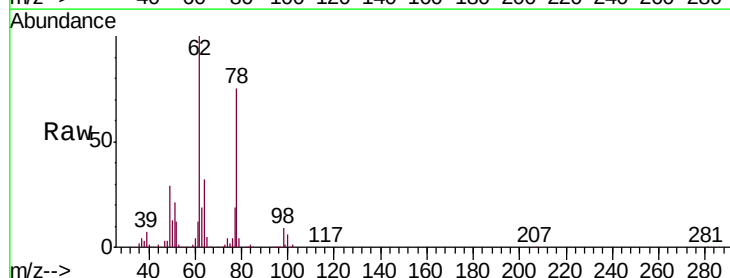
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD00529

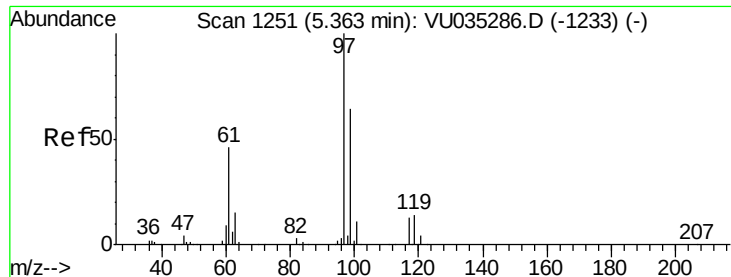
Tgt Ion: 83 Resp: 279876  
Ion Ratio Lower Upper  
83 100  
85 65.1 45.1 83.9



#27  
1,2-Dichloroethane  
Concen: 5.375 ug/L  
RT: 5.84 min Scan# 1400  
Delta R.T. -0.00 min  
Lab File: VU035327.D  
Acq: 21 Oct 2019 16:05

Tgt Ion: 62 Resp: 171119  
Ion Ratio Lower Upper  
62 100  
98 9.1 7.8 11.6

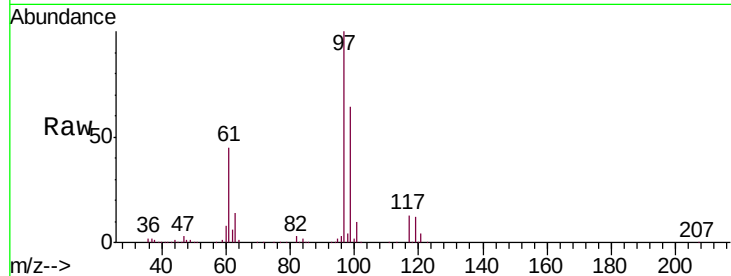




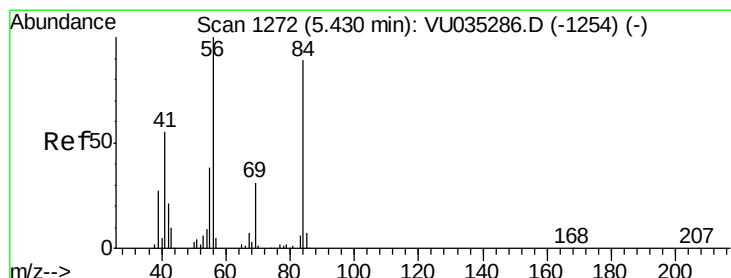
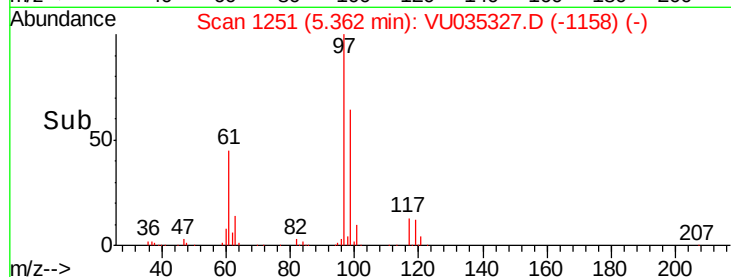
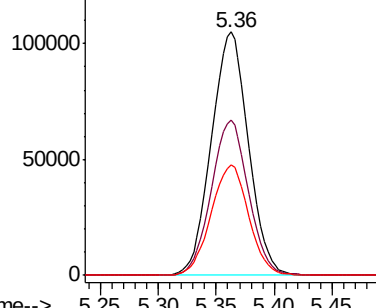
#29  
1,1,1-Trichloroethane  
Concen: 5.439 ug/L  
RT: 5.36 min Scan# 1251  
Delta R.T. -0.00 min  
Lab File: VU035327.D  
Acq: 21 Oct 2019 16:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD00529

Tgt Ion: 97 Resp: 233722  
Ion Ratio Lower Upper  
97 100  
99 64.1 52.6 79.0  
61 46.2 37.0 55.4

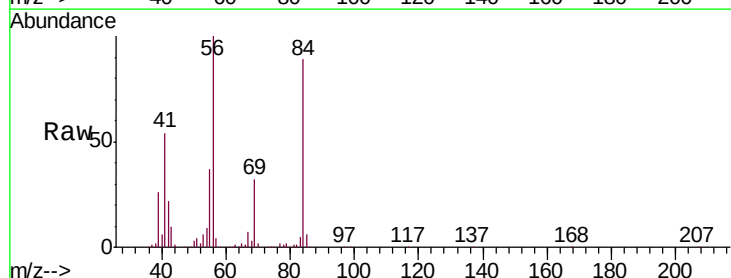


Abundance Ion 96.95 (96.65 to 97.65): VU0  
Ion 99.05 (98.75 to 99.75): VU0  
Ion 61.05 (60.75 to 61.75): VU0

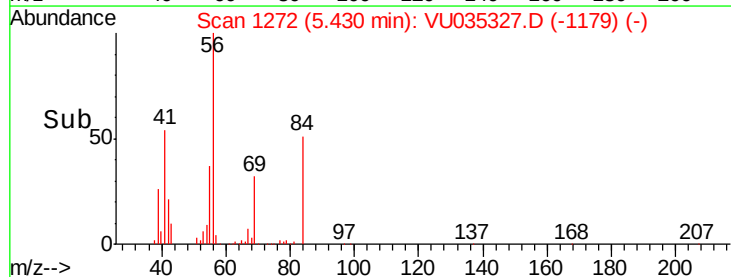
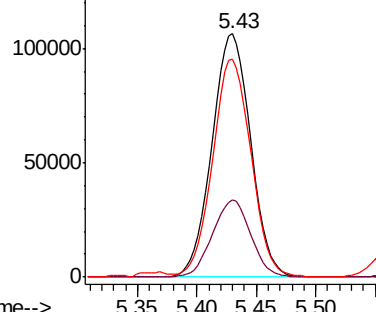


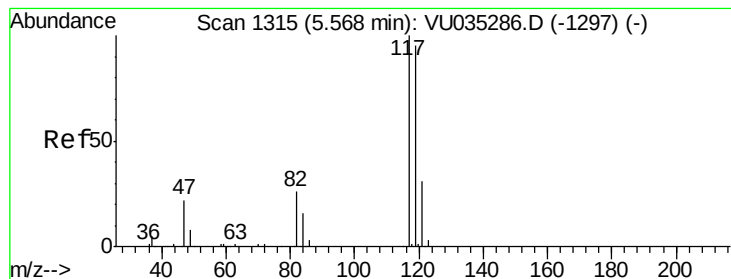
#30  
Cyclohexane  
Concen: 5.212 ug/L  
RT: 5.43 min Scan# 1272  
Delta R.T. -0.00 min  
Lab File: VU035327.D  
Acq: 21 Oct 2019 16:05

Tgt Ion: 56 Resp: 239892  
Ion Ratio Lower Upper  
56 100  
69 31.2 24.6 36.8  
84 88.3 71.5 107.3



Abundance Ion 56.10 (55.80 to 56.80): VU0  
Ion 69.15 (68.85 to 69.85): VU0  
Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.303 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

Instrument :

MSVOA\_U

ClientSampleId :

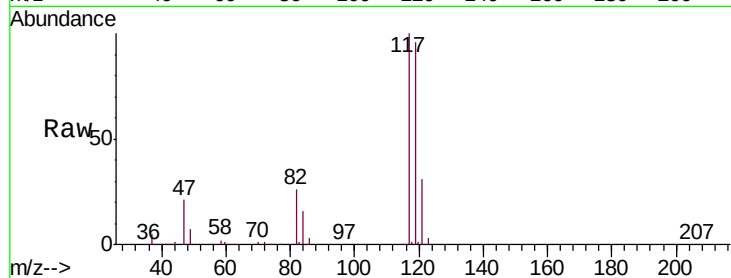
VSTD00529

Tgt Ion:117 Resp: 205177

Ion Ratio Lower Upper

117 100

119 96.9 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

100000

80000

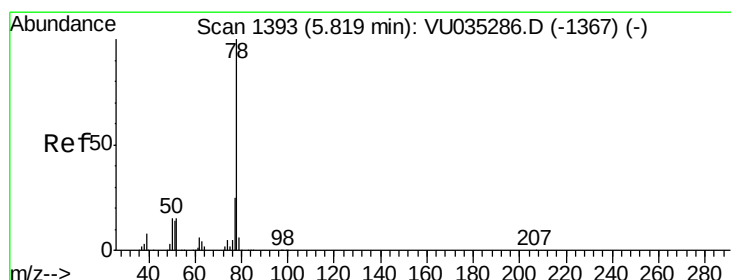
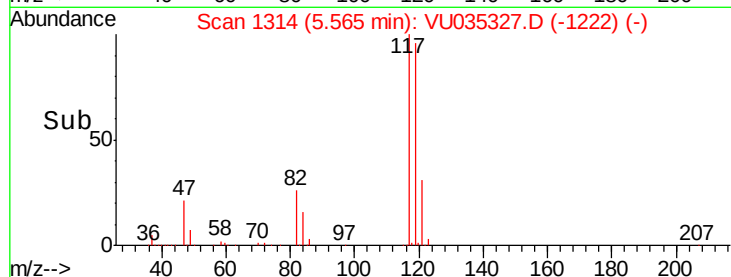
60000

40000

20000

0

Time--> 5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 5.492 ug/L

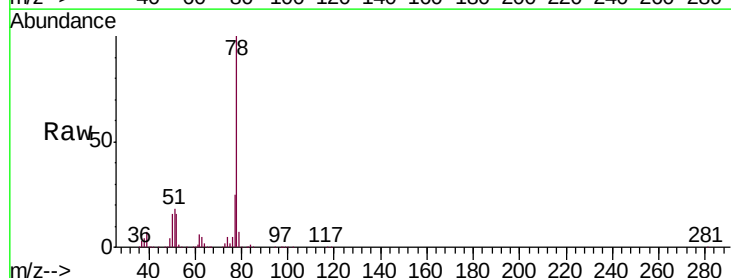
RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

Tgt Ion: 78 Resp: 592846



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.82

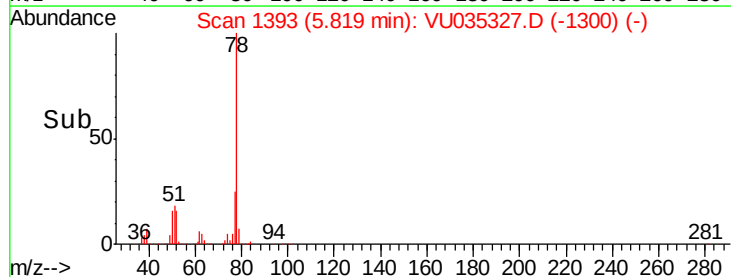
300000

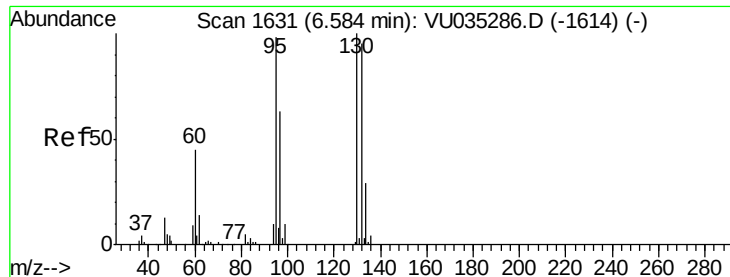
200000

100000

0

Time--> 5.70 5.80 5.90 6.00





#34

Trichloroethene

Concen: 5.385 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTD00529

Tgt Ion: 95 Resp: 156283

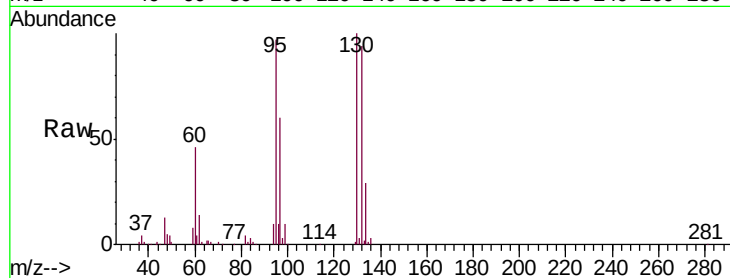
Ion Ratio Lower Upper

95 100

97 62.6 46.6 86.6

132 97.6 68.7 127.7

130 103.6 73.9 137.3

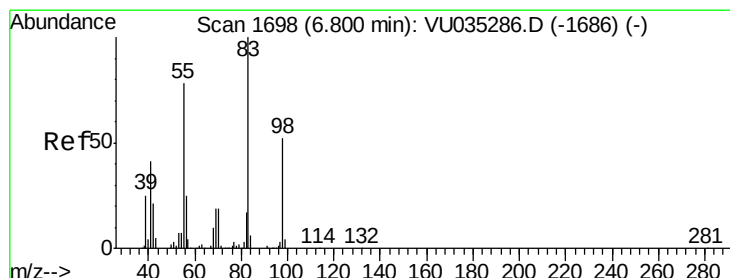
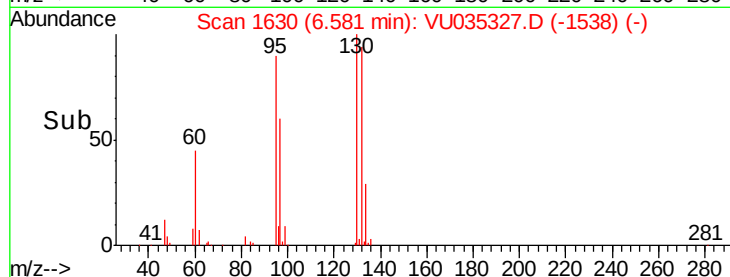
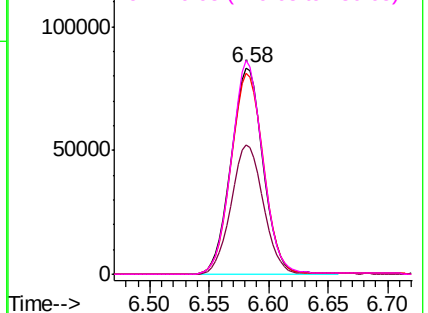


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.247 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

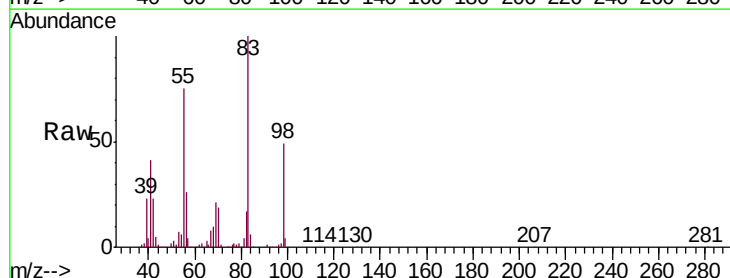
Tgt Ion: 83 Resp: 254488

Ion Ratio Lower Upper

83 100

55 74.5 60.4 90.6

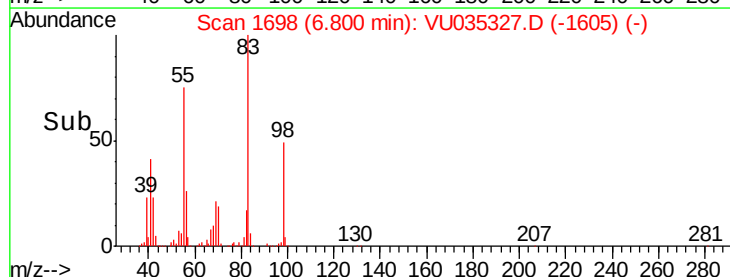
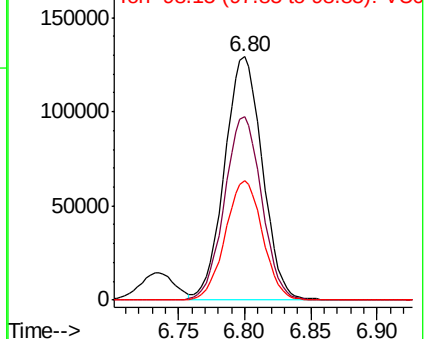
98 48.5 39.5 59.3



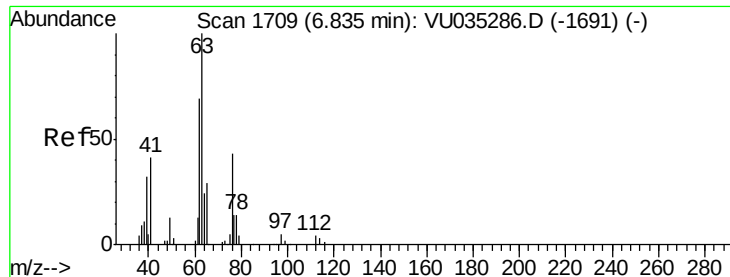
Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



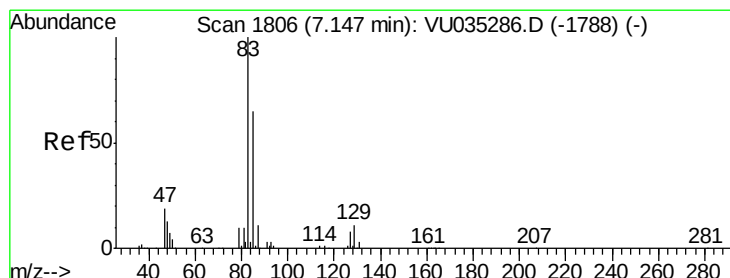
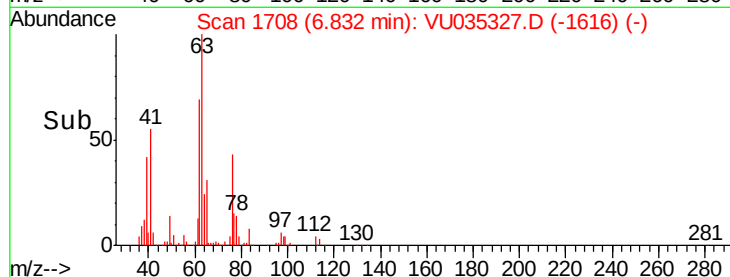
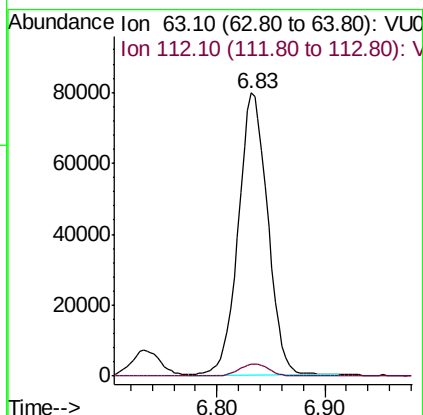
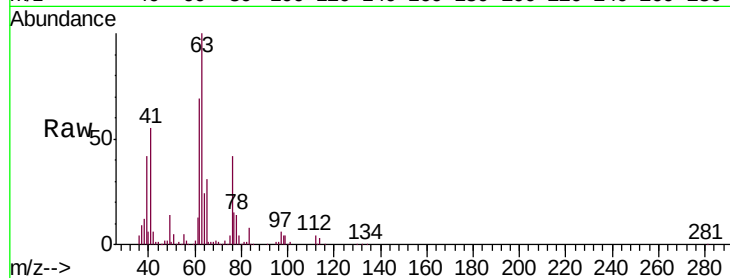




#37  
 1,2-Dichloropropane  
 Concen: 5.525 ug/L  
 RT: 6.83 min Scan# 1708  
 Delta R.T. -0.00 min  
 Lab File: VU035327.D  
 Acq: 21 Oct 2019 16:05

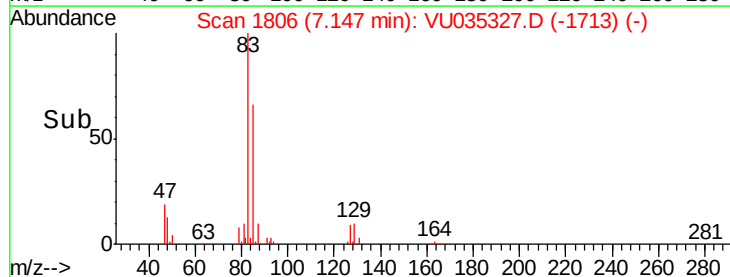
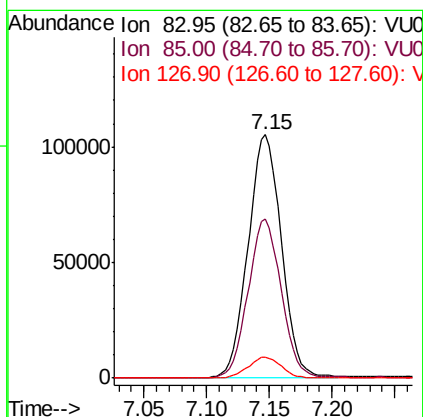
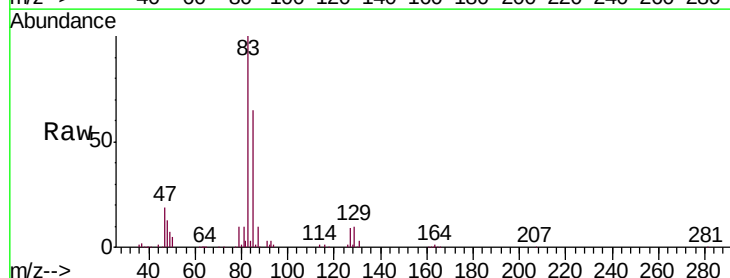
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00529

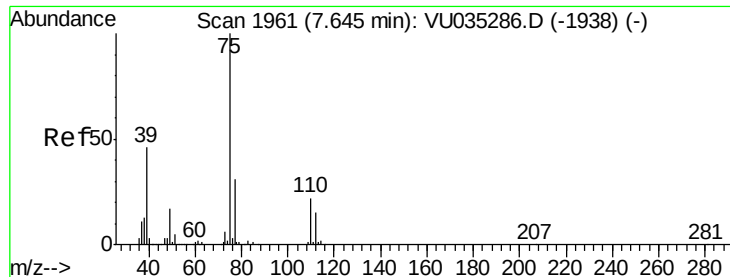
Tgt Ion: 63 Resp: 151384  
 Ion Ratio Lower Upper  
 63 100  
 112 4.3 3.7 5.5



#38  
 Bromodichloromethane  
 Concen: 5.282 ug/L  
 RT: 7.15 min Scan# 1806  
 Delta R.T. -0.00 min  
 Lab File: VU035327.D  
 Acq: 21 Oct 2019 16:05

Tgt Ion: 83 Resp: 194983  
 Ion Ratio Lower Upper  
 83 100  
 85 65.5 45.6 84.8  
 127 8.7 6.9 10.3

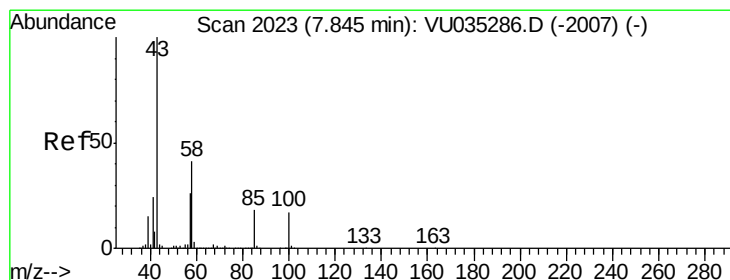
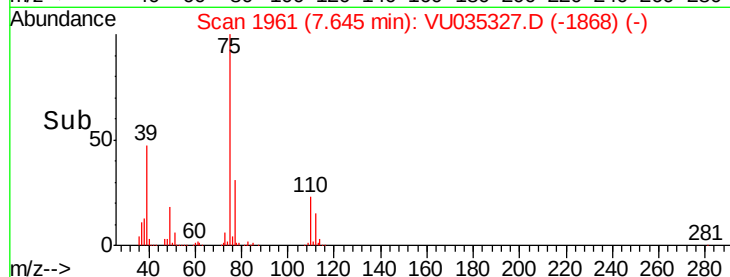
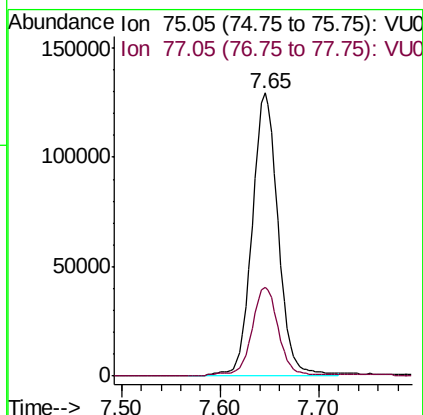
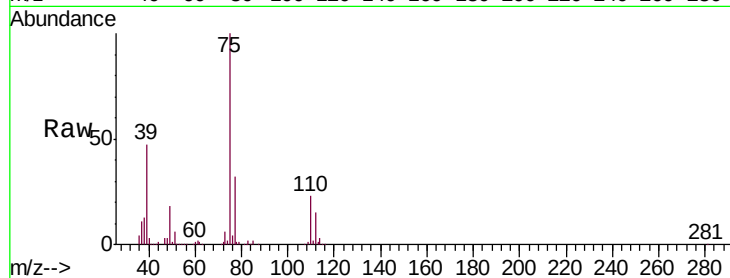




#39  
 cis-1,3-Dichloropropene  
 Concen: 5.129 ug/L  
 RT: 7.65 min Scan# 1961  
 Delta R.T. -0.00 min  
 Lab File: VU035327.D  
 Acq: 21 Oct 2019 16:05

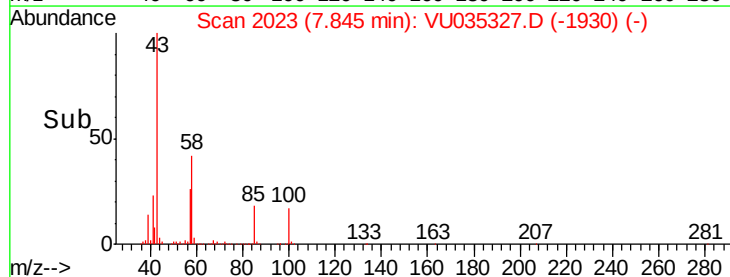
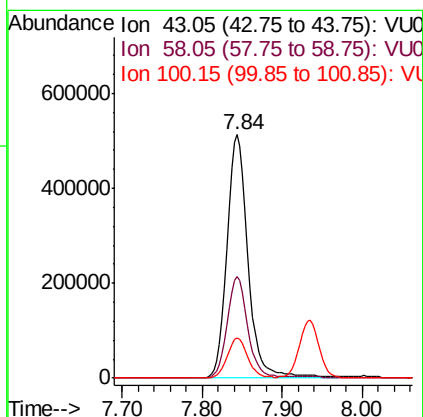
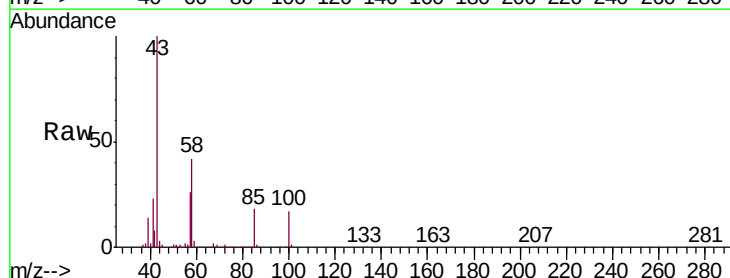
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 VSTD00529

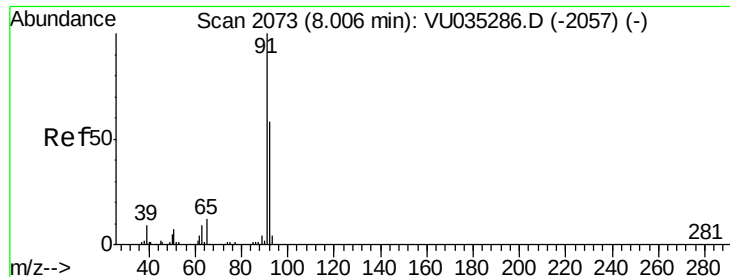
Tgt Ion: 75 Resp: 235216  
 Ion Ratio Lower Upper  
 75 100  
 77 31.6 22.7 42.1



#40  
 4-Methyl-2-pentanone  
 Concen: 50.450 ug/L  
 RT: 7.84 min Scan# 2023  
 Delta R.T. -0.00 min  
 Lab File: VU035327.D  
 Acq: 21 Oct 2019 16:05

Tgt Ion: 43 Resp: 933227  
 Ion Ratio Lower Upper  
 43 100  
 58 40.6 32.3 48.5  
 100 16.1 13.4 20.2





#42

Toluene

Concen: 5.485 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

Instrument :

MSVOA\_U

ClientSampleId :

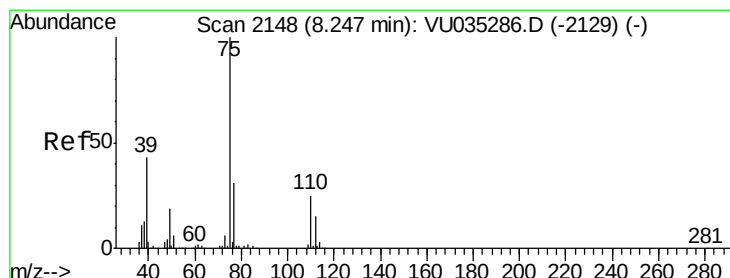
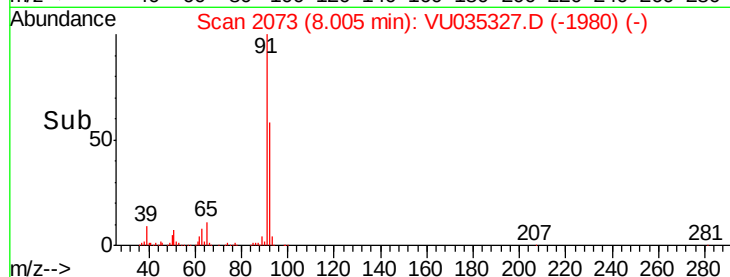
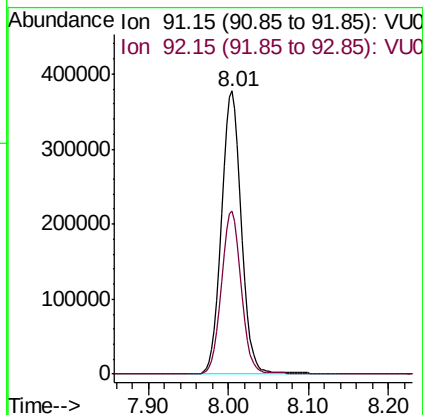
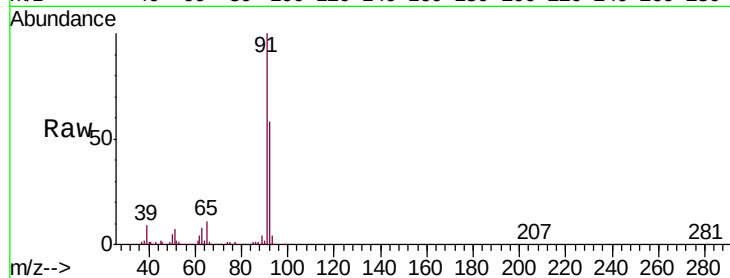
VSTD00529

Tgt Ion: 91 Resp: 653613

Ion Ratio Lower Upper

91 100

92 57.7 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 5.106 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035327.D

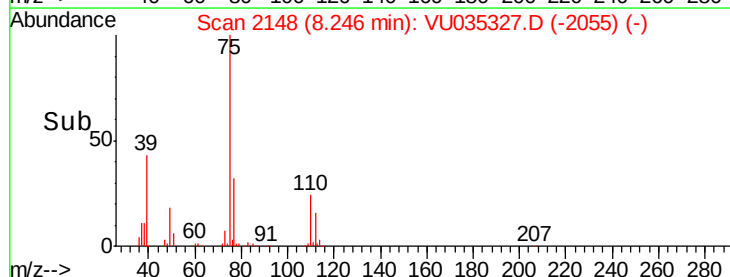
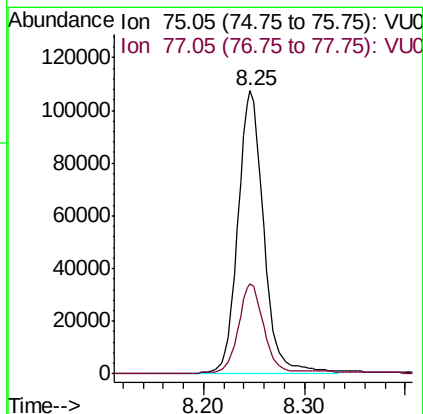
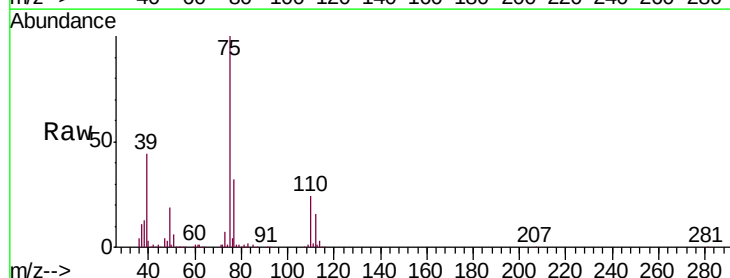
Acq: 21 Oct 2019 16:05

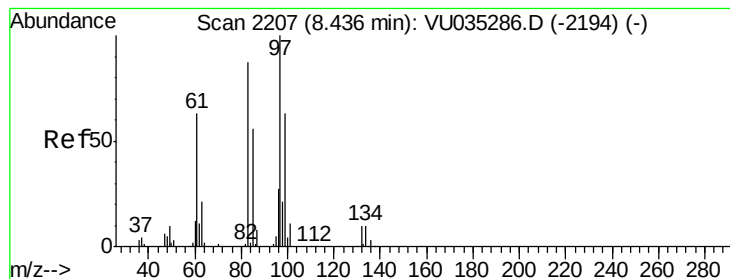
Tgt Ion: 75 Resp: 191389

Ion Ratio Lower Upper

75 100

77 32.0 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 5.358 ug/L

RT: 8.44 min Scan# 2207

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTD00529

Tgt Ion: 97 Resp: 108994

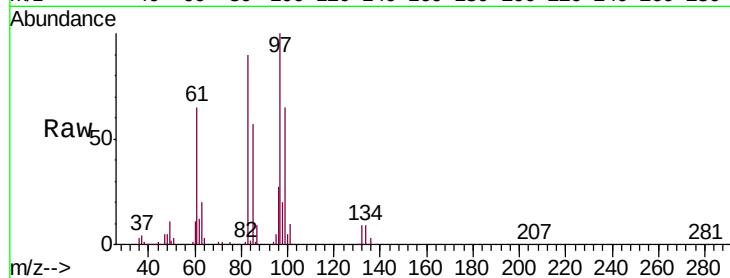
Ion Ratio Lower Upper

97 100

99 64.9 42.9 79.7

83 90.4 60.4 112.2

85 57.3 38.4 71.2

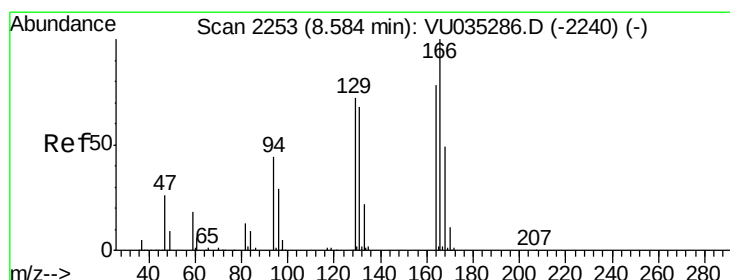
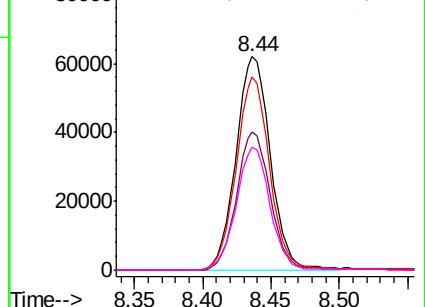
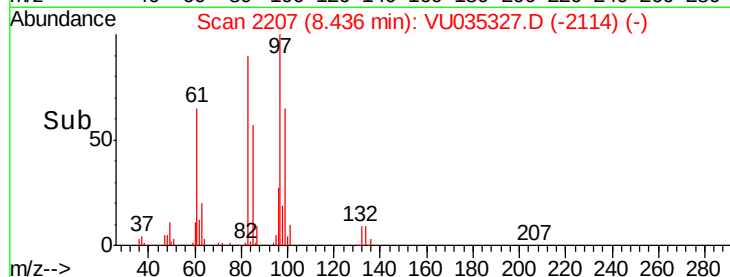


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.273 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

Tgt Ion: 164 Resp: 127482

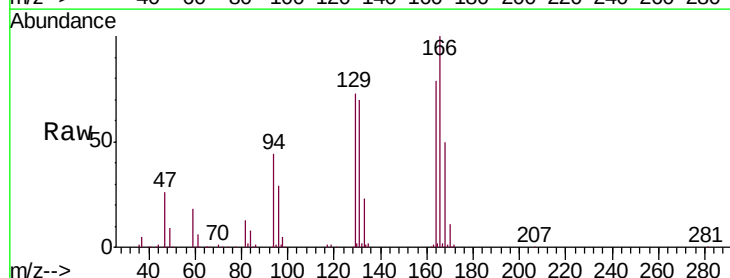
Ion Ratio Lower Upper

164 100

129 92.6 65.2 121.0

131 89.5 62.9 116.9

166 127.0 91.5 169.9

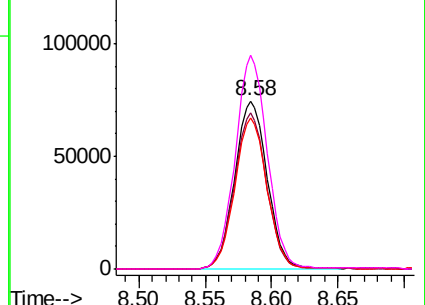
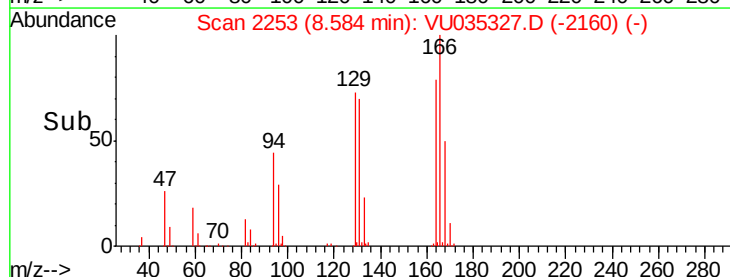


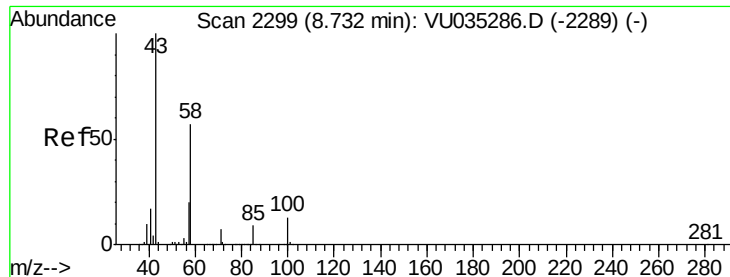
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

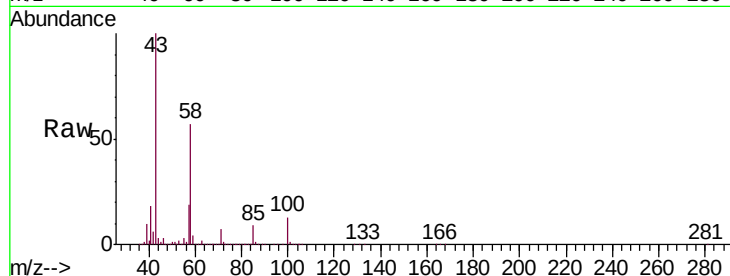




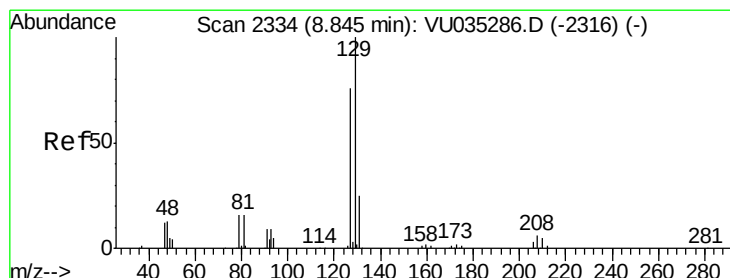
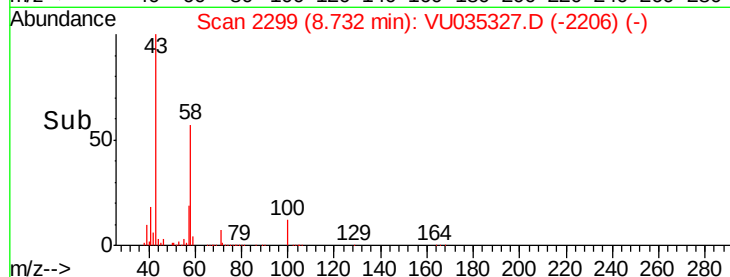
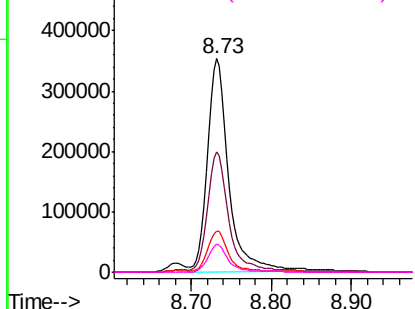
#48  
2-Hexanone  
Concen: 50.409 ug/L  
RT: 8.73 min Scan# 2299  
Delta R.T. -0.00 min  
Lab File: VU035327.D  
Acq: 21 Oct 2019 16:05

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTD00529

Tgt Ion: 43 Resp: 653949  
Ion Ratio Lower Upper  
43 100  
58 55.5 45.1 67.7  
57 19.3 16.0 24.0  
100 13.1 10.4 15.6

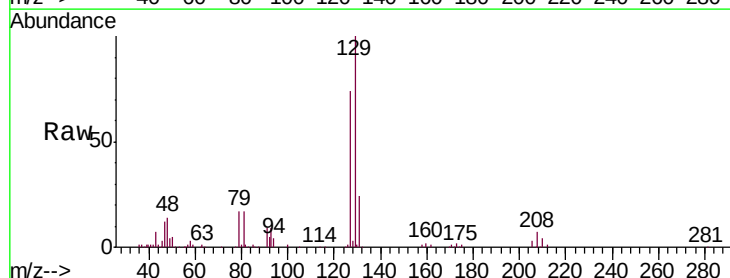


Abundance Ion 43.05 (42.75 to 43.75): VU0  
Ion 58.05 (57.75 to 58.75): VU0  
Ion 57.20 (56.90 to 57.90): VU0  
Ion 100.15 (99.85 to 100.85): VU0

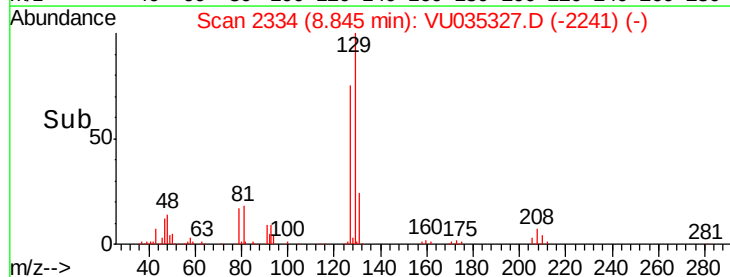
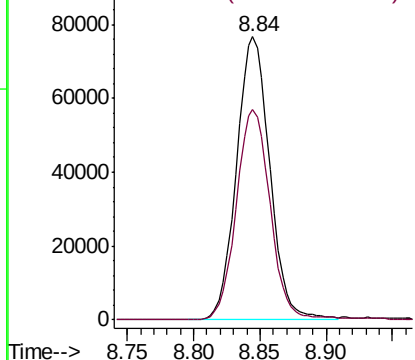


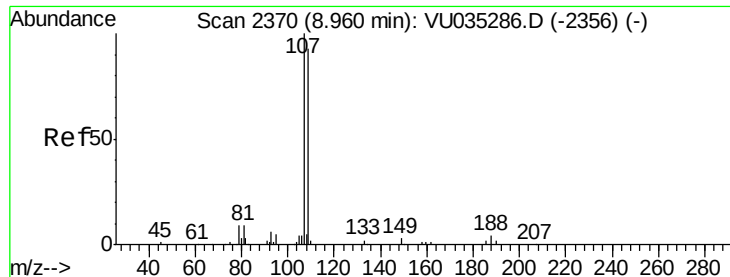
#49  
Dibromochloromethane  
Concen: 5.193 ug/L  
RT: 8.84 min Scan# 2334  
Delta R.T. -0.00 min  
Lab File: VU035327.D  
Acq: 21 Oct 2019 16:05

Tgt Ion: 129 Resp: 133924  
Ion Ratio Lower Upper  
129 100  
127 74.4 53.8 99.8



Abundance Ion 128.95 (128.65 to 129.65): V  
Ion 126.90 (126.60 to 127.60): V

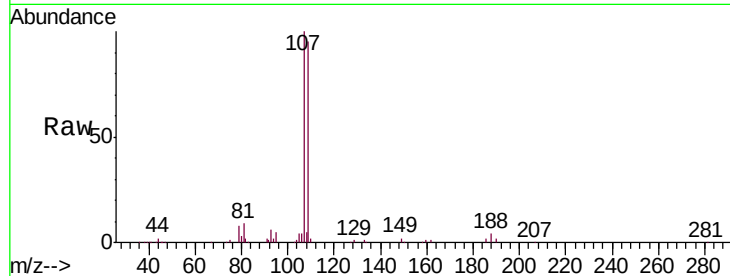




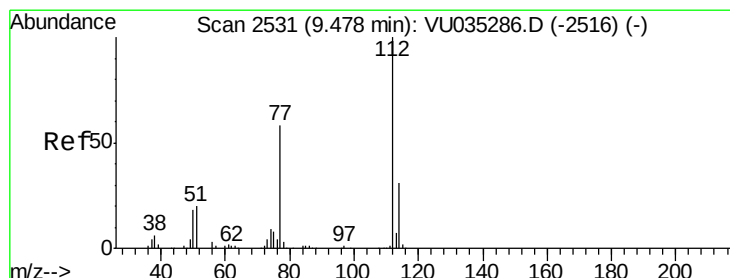
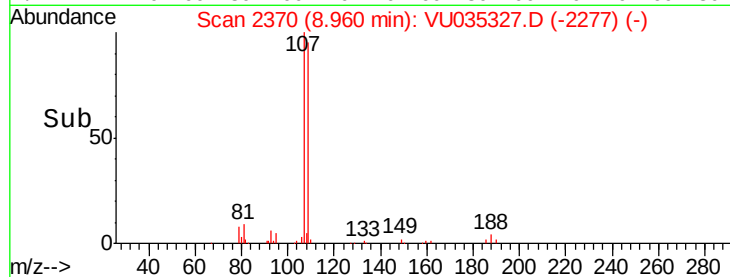
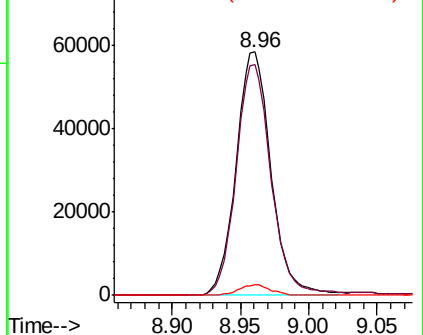
#50  
1,2-Dibromoethane  
Concen: 5.095 ug/L  
RT: 8.96 min Scan# 2370  
Delta R.T. -0.00 min  
Lab File: VU035327.D  
Acq: 21 Oct 2019 16:05

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD00529

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 95.0  | 66.1  | 122.8 |
| 188     | 4.3   | 3.2   | 4.8   |

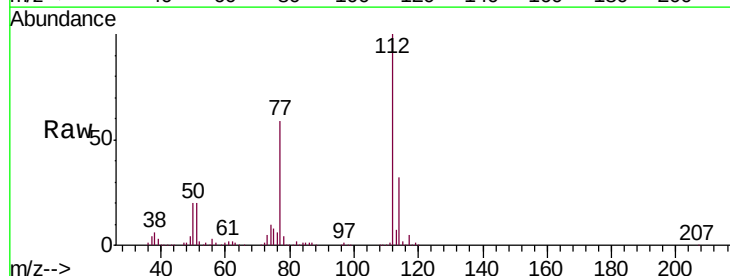


Abundance Ion 106.95 (106.65 to 107.65): V  
Ion 109.00 (108.70 to 109.70): V  
Ion 187.90 (187.60 to 188.60): V

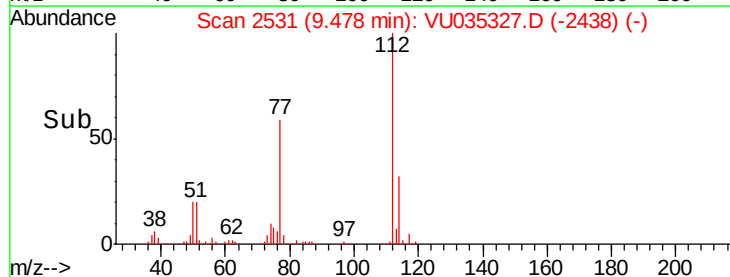
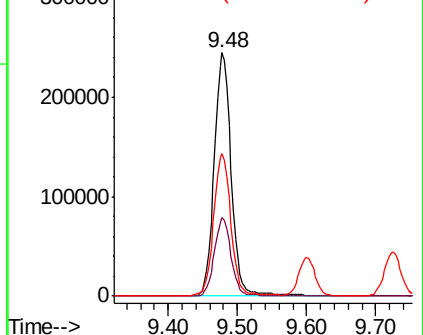


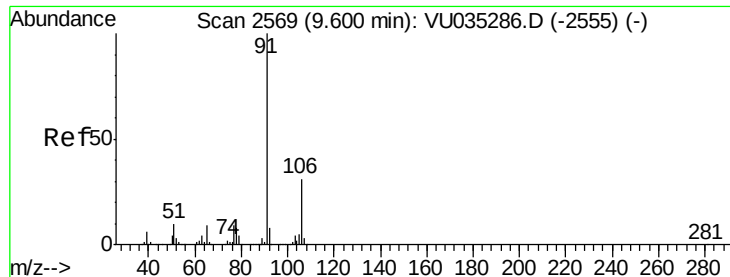
#51  
Chlorobenzene  
Concen: 5.414 ug/L  
RT: 9.48 min Scan# 2531  
Delta R.T. -0.00 min  
Lab File: VU035327.D  
Acq: 21 Oct 2019 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.3  | 23.0  | 42.8  |
| 77      | 58.8  | 47.5  | 71.3  |



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





#52

Ethylbenzene

Concen: 5.382 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

Instrument :

MSVOA\_U

ClientSampleId :

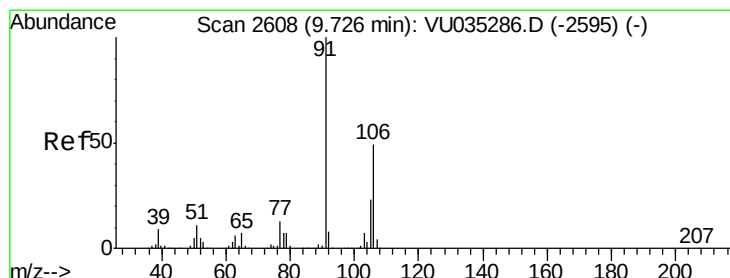
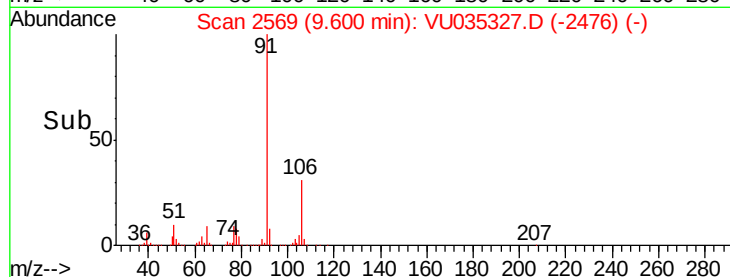
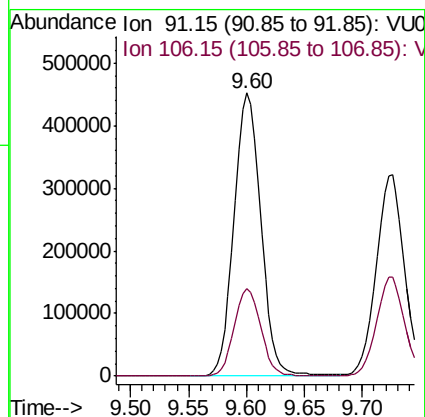
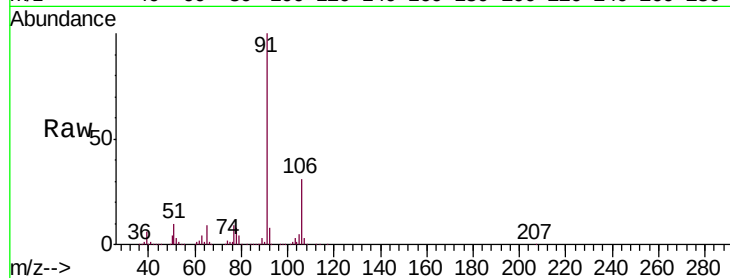
VSTD00529

Tgt Ion: 91 Resp: 729200

Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.6



#53

m,p-Xylene

Concen: 5.330 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VU035327.D

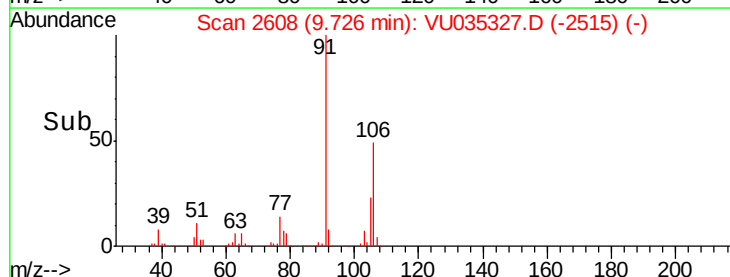
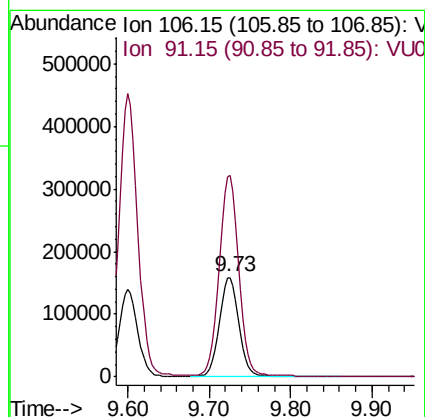
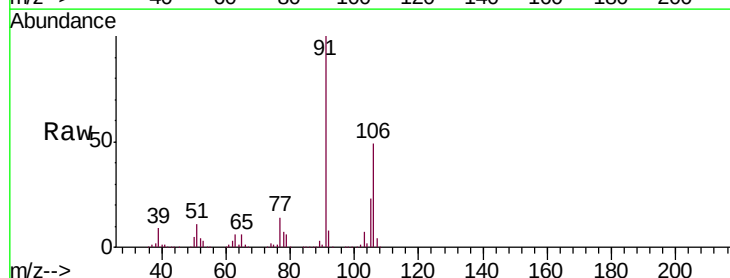
Acq: 21 Oct 2019 16:05

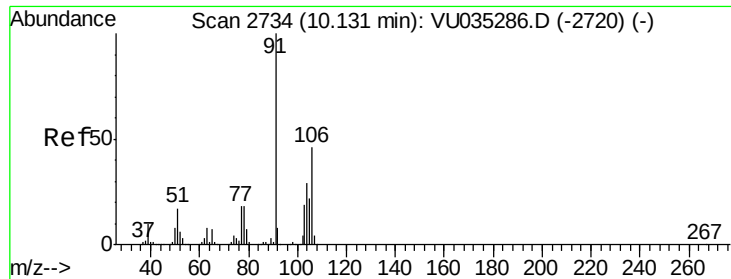
Tgt Ion: 106 Resp: 272710

Ion Ratio Lower Upper

106 100

91 202.3 142.0 263.6

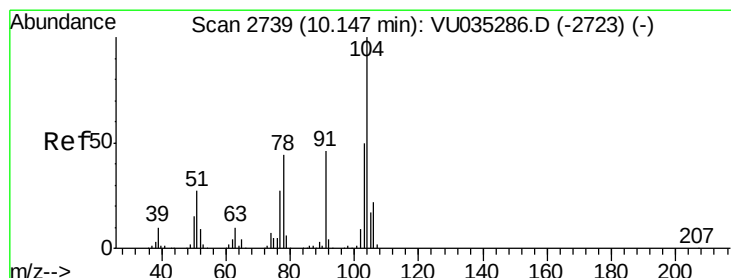
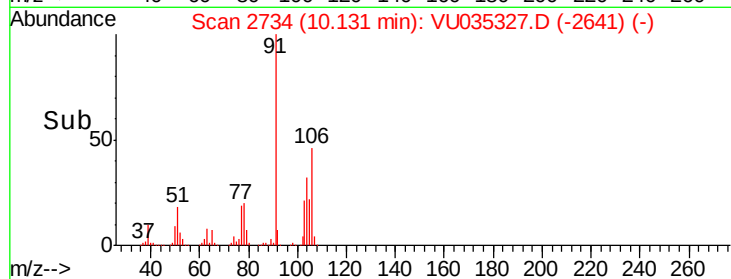
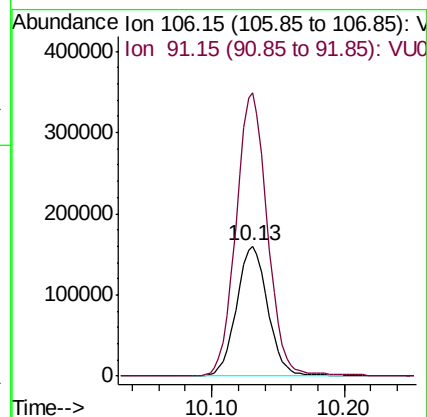
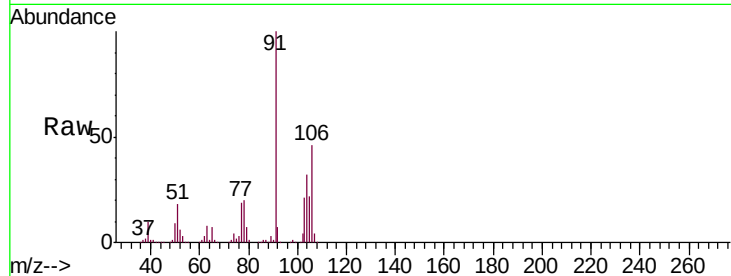




#54  
o-Xylene  
Concen: 5.268 ug/L  
RT: 10.13 min Scan# 2734  
Delta R.T. -0.00 min  
Lab File: VU035327.D  
Acq: 21 Oct 2019 16:05

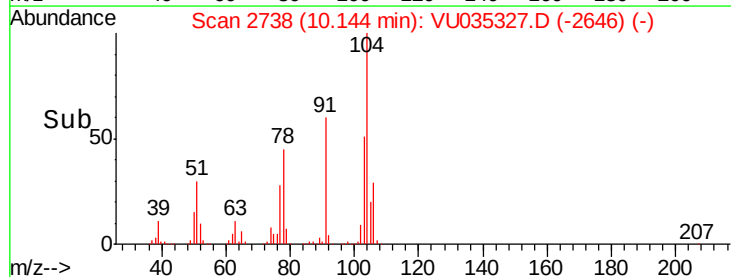
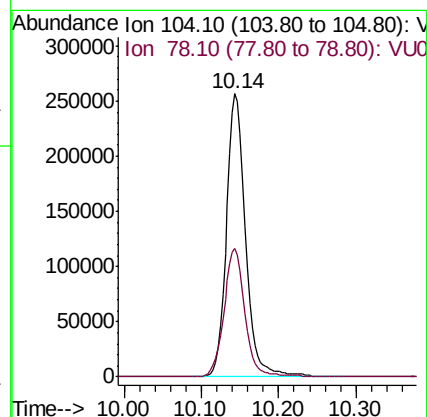
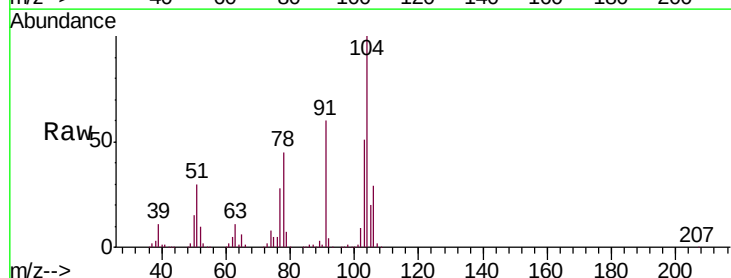
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD00529

Tgt Ion:106 Resp: 263085  
Ion Ratio Lower Upper  
106 100  
91 218.0 153.2 284.6

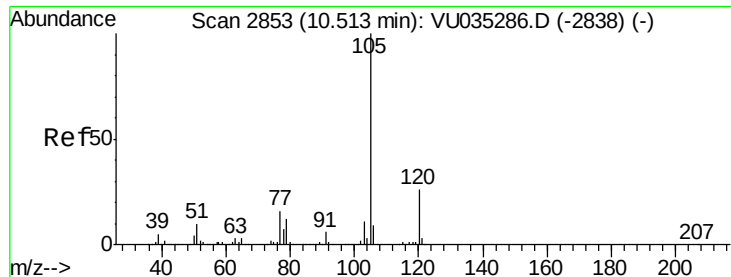


#55  
Styrene  
Concen: 5.435 ug/L  
RT: 10.14 min Scan# 2738  
Delta R.T. -0.00 min  
Lab File: VU035327.D  
Acq: 21 Oct 2019 16:05

Tgt Ion:104 Resp: 441886  
Ion Ratio Lower Upper  
104 100  
78 45.4 31.3 58.1







#56

Isopropylbenzene

Concen: 5.294 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTD00529

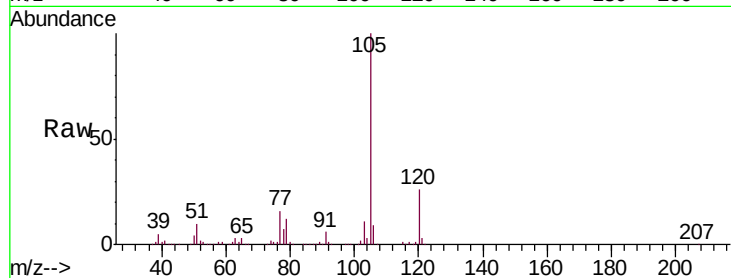
Tgt Ion:105 Resp: 711066

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

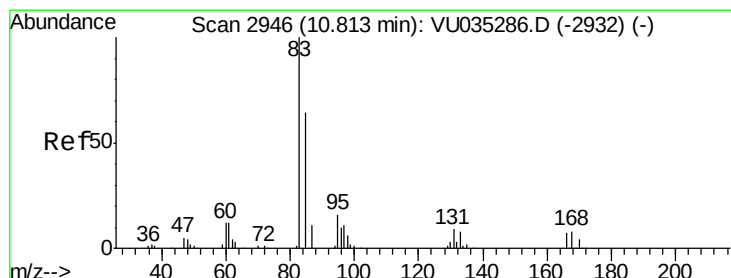
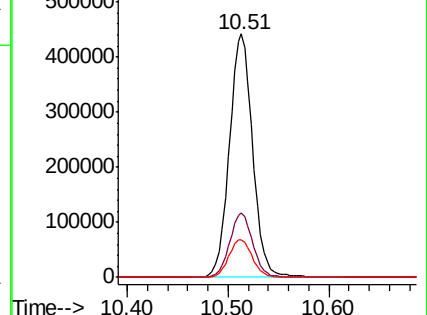
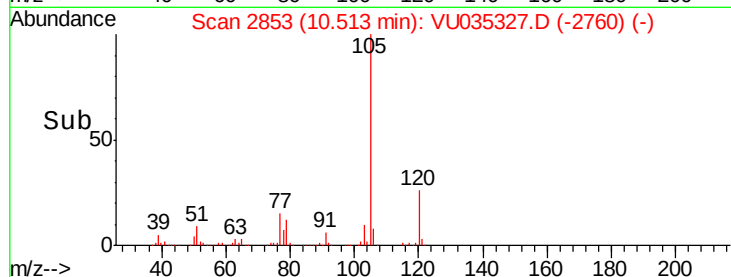
77 15.8 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.352 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

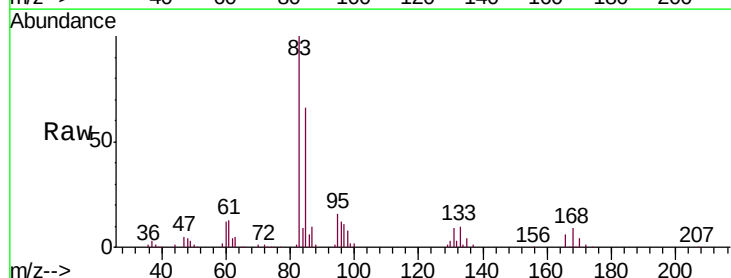
Tgt Ion: 83 Resp: 140106

Ion Ratio Lower Upper

83 100

85 66.4 46.8 86.8

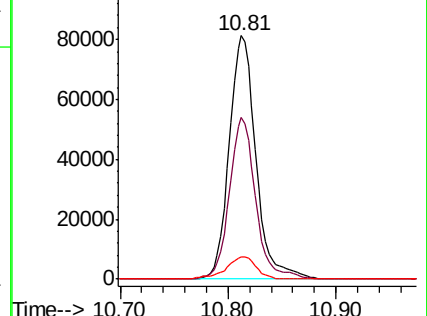
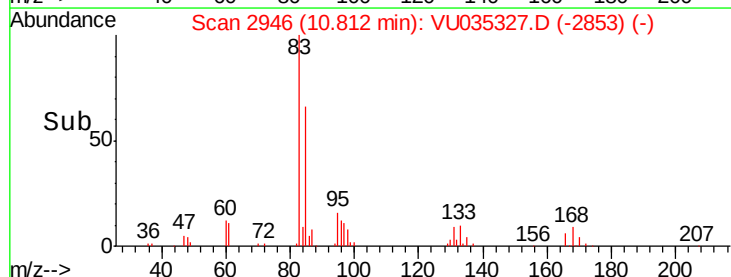
131 9.3 7.5 11.3

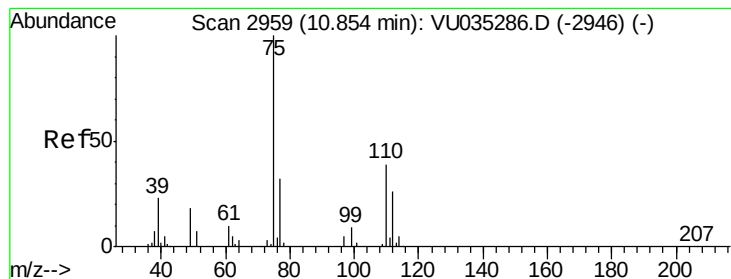


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.271 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

Instrument :

MSVOA\_U

ClientSampleId :

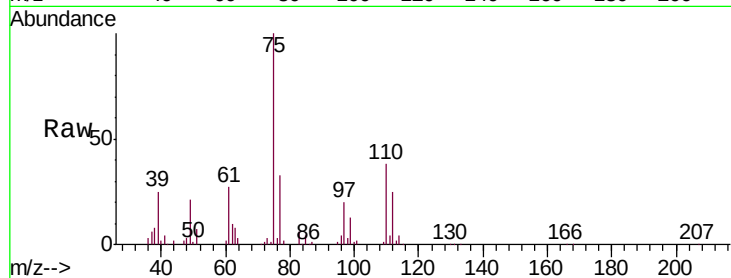
VSTD00529

Tgt Ion: 75 Resp: 100623

Ion Ratio Lower Upper

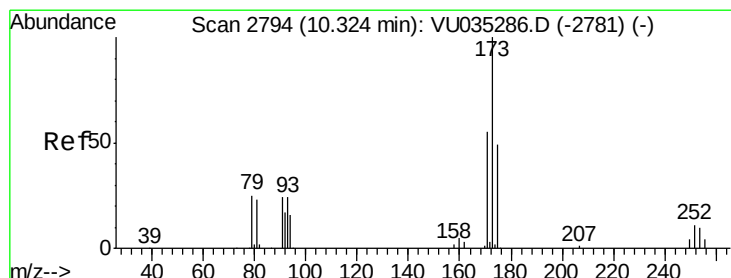
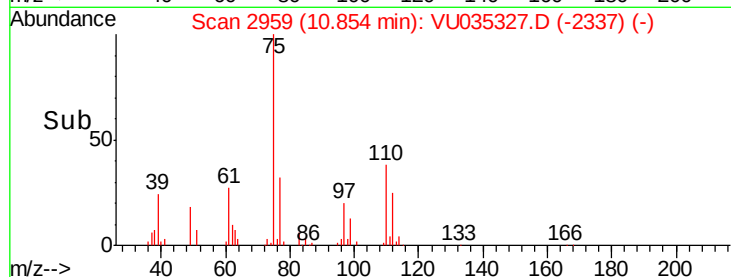
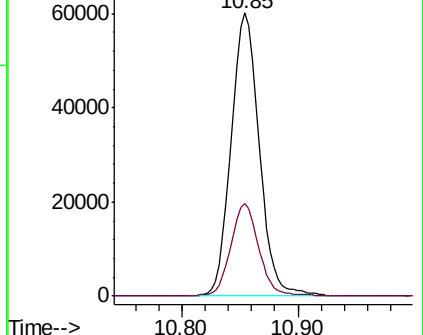
75 100

77 32.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU035286.D (-2946) (-)

Ion 77.00 (76.70 to 77.70): VU035286.D (-2946) (-)



#61

Bromoform

Concen: 4.904 ug/L

RT: 10.32 min Scan# 2794

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

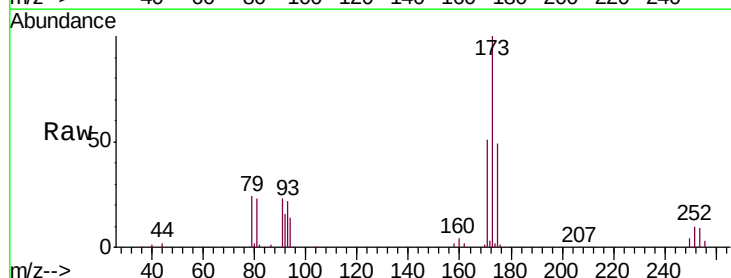
Tgt Ion: 173 Resp: 79719

Ion Ratio Lower Upper

173 100

175 47.2 38.8 58.2

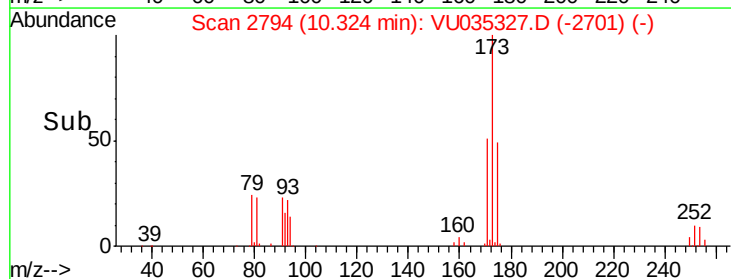
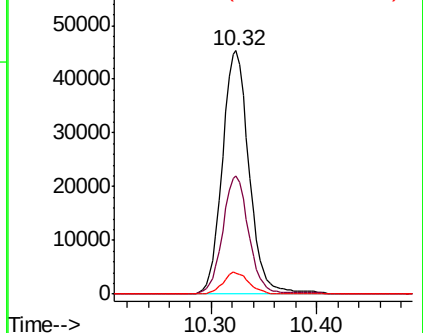
254 8.7 7.5 11.3

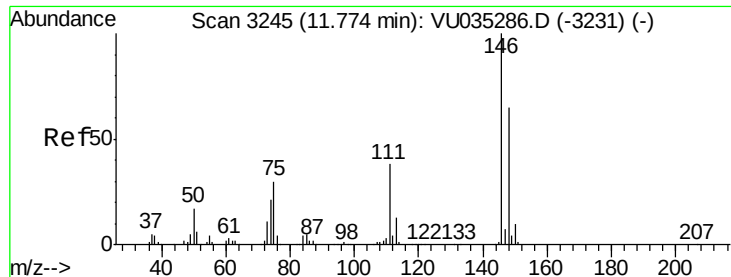


Abundance Ion 172.90 (172.60 to 173.60): VU035286.D (-2781) (-)

Ion 174.90 (174.60 to 175.60): VU035286.D (-2781) (-)

Ion 253.75 (253.45 to 254.45): VU035286.D (-2781) (-)

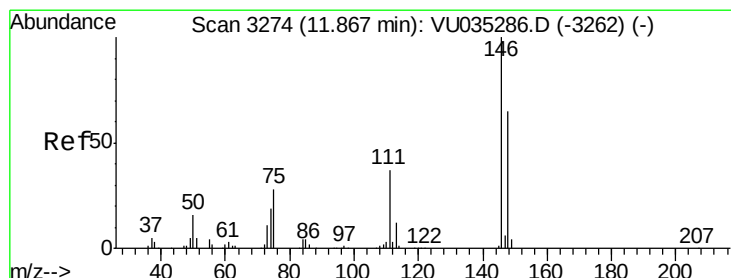
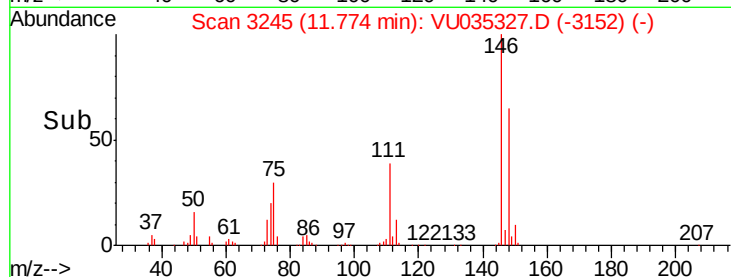
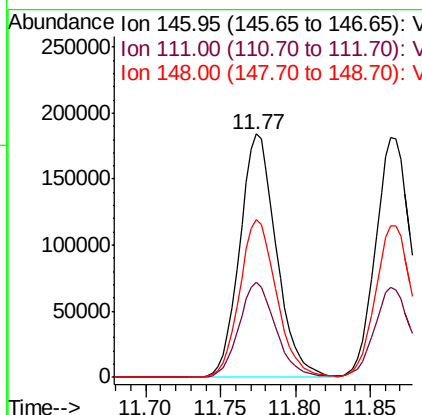
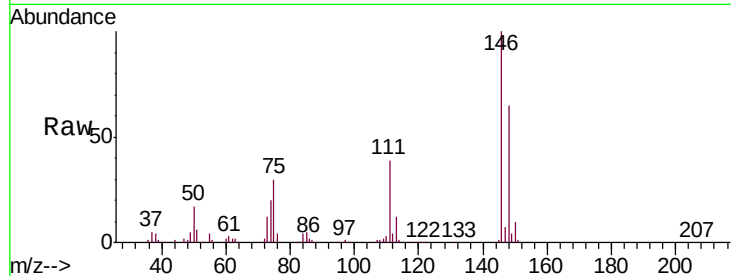




#62  
 1,3-Dichlorobenzene  
 Concen: 5.246 ug/L  
 RT: 11.77 min Scan# 3245  
 Delta R.T. -0.00 min  
 Lab File: VU035327.D  
 Acq: 21 Oct 2019 16:05

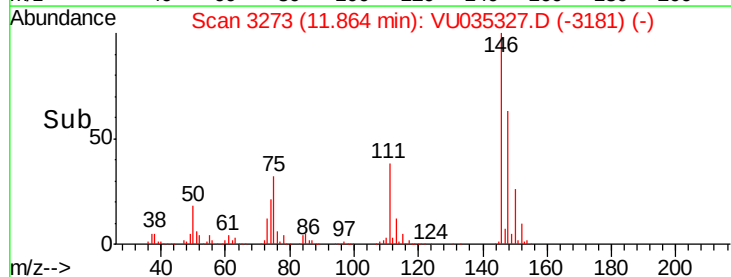
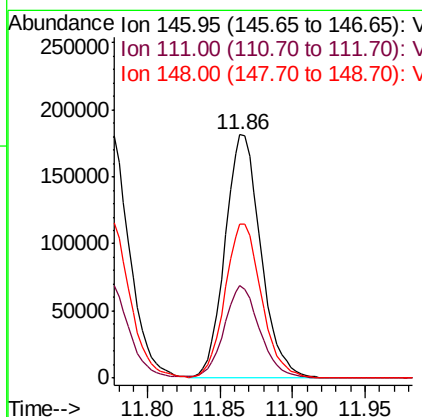
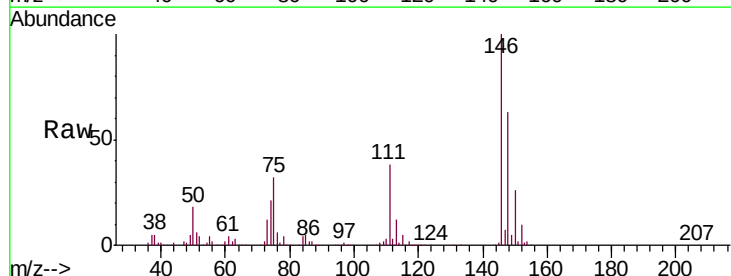
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00529

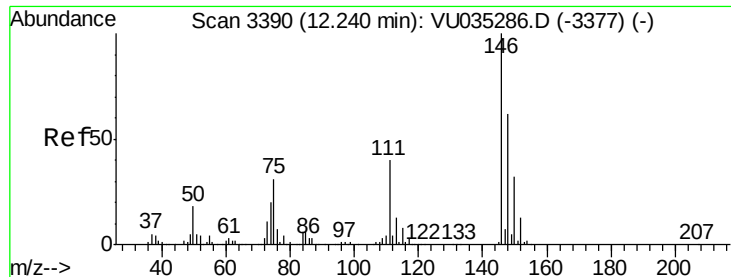
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.8  | 27.8  | 51.6  |
| 148     | 64.6  | 45.6  | 84.8  |



#63  
 1,4-Dichlorobenzene  
 Concen: 5.273 ug/L  
 RT: 11.86 min Scan# 3273  
 Delta R.T. -0.00 min  
 Lab File: VU035327.D  
 Acq: 21 Oct 2019 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.8  | 26.4  | 49.0  |
| 148     | 63.1  | 44.7  | 83.1  |

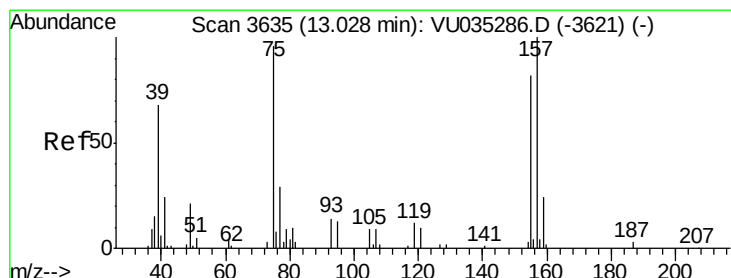
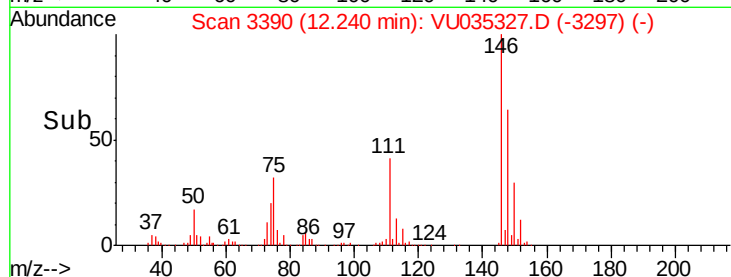
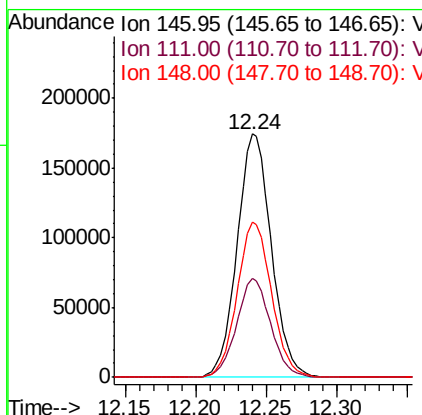
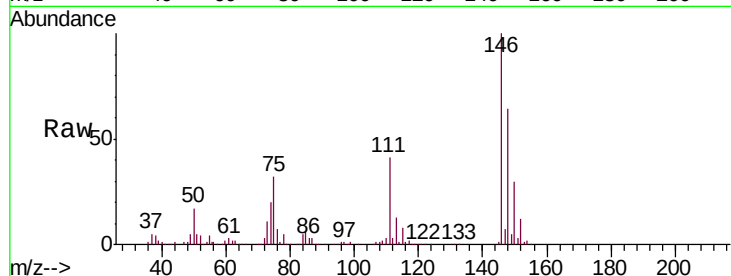




#65  
 1,2-Dichlorobenzene  
 Concen: 5.278 ug/L  
 RT: 12.24 min Scan# 3390  
 Delta R.T. -0.00 min  
 Lab File: VU035327.D  
 Acq: 21 Oct 2019 16:05

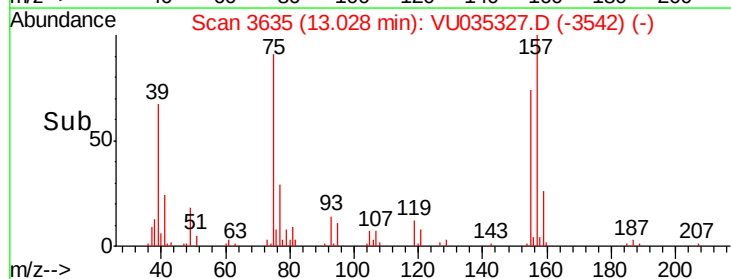
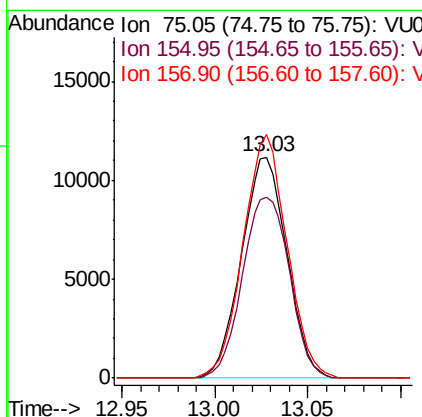
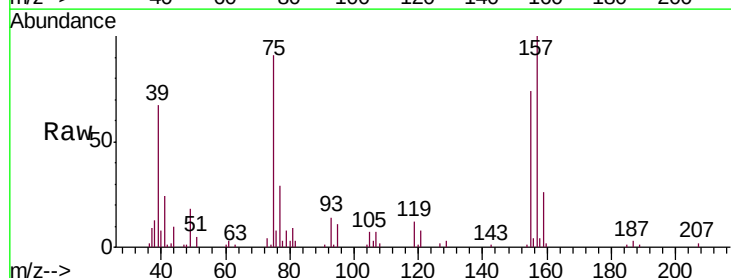
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00529

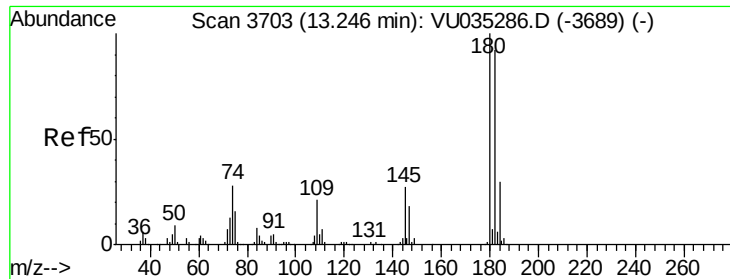
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.8  | 33.0  | 49.6  |
| 148     | 63.6  | 51.0  | 76.4  |



#66  
 1,2-Dibromo-3-chloropropane  
 Concen: 4.785 ug/L  
 RT: 13.03 min Scan# 3635  
 Delta R.T. -0.00 min  
 Lab File: VU035327.D  
 Acq: 21 Oct 2019 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 81.7  | 70.0  | 105.0 |
| 157     | 110.4 | 94.7  | 142.1 |

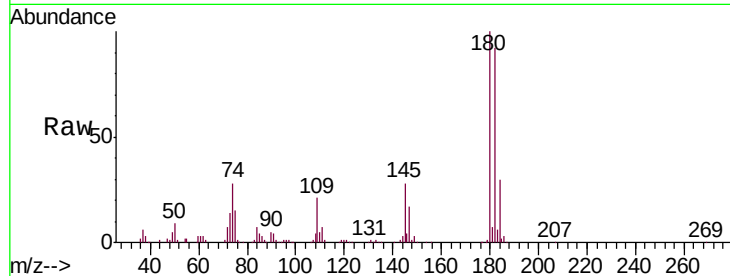




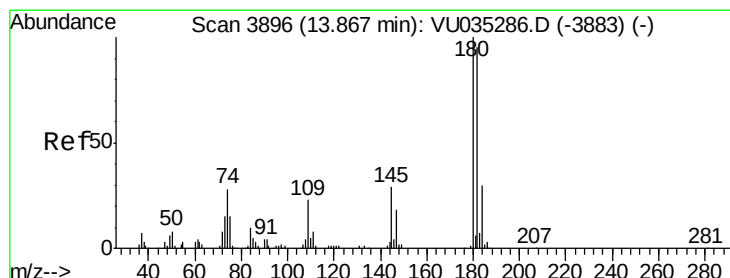
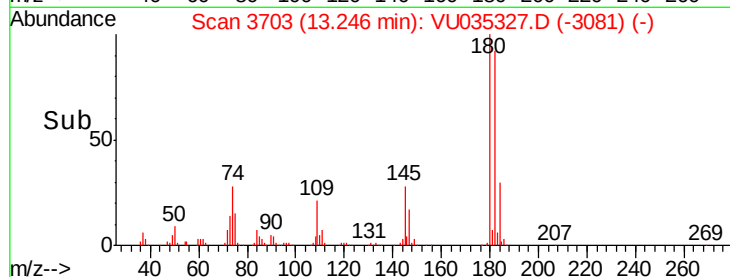
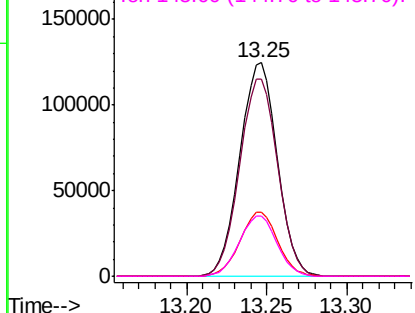
#67  
 1,3,5-Trichlorobenzene  
 Concen: 5.365 ug/L  
 RT: 13.25 min Scan# 3703  
 Delta R.T. -0.00 min  
 Lab File: VU035327.D  
 Acq: 21 Oct 2019 16:05

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00529

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 199097 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 93.9  | 77.4  | 116.2  |
| 184      | 30.1  | 23.9  | 35.9   |
| 145      | 28.3  | 22.4  | 33.6   |

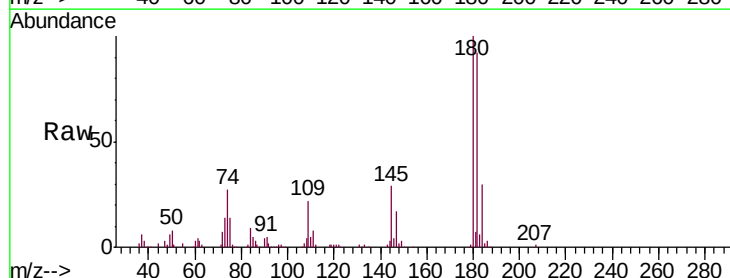


Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 184.00 (183.70 to 184.70): V  
 Ion 145.00 (144.70 to 145.70): V

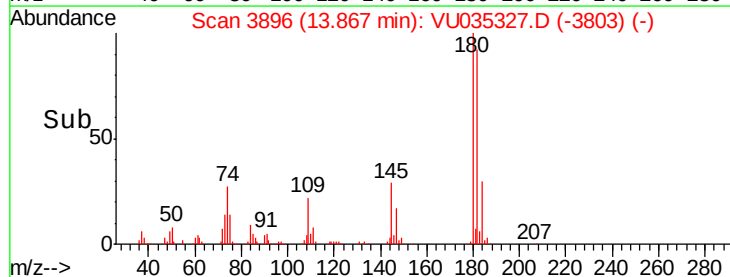
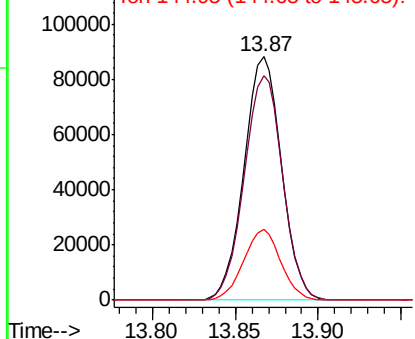


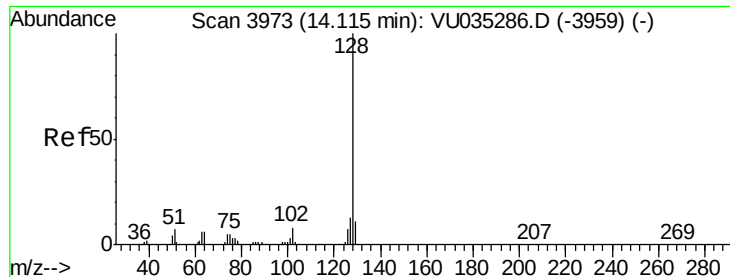
#68  
 1,2,4-trichlorobenzene  
 Concen: 5.625 ug/L  
 RT: 13.87 min Scan# 3896  
 Delta R.T. -0.00 min  
 Lab File: VU035327.D  
 Acq: 21 Oct 2019 16:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 138949 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 94.2  | 75.9  | 113.9  |
| 145      | 28.5  | 23.4  | 35.2   |



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





#69

Naphthalene

Concen: 6.098 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

Instrument :

MSVOA\_U

ClientSampleId :

VSTD00529

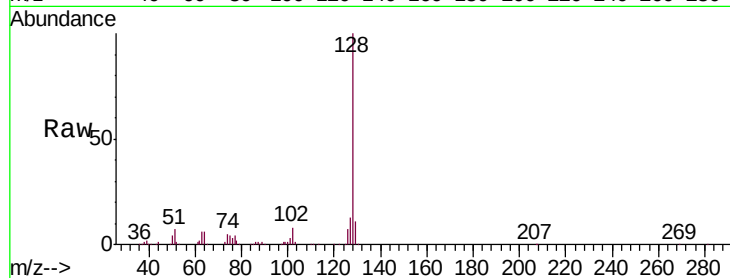
Tgt Ion:128 Resp: 206756

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

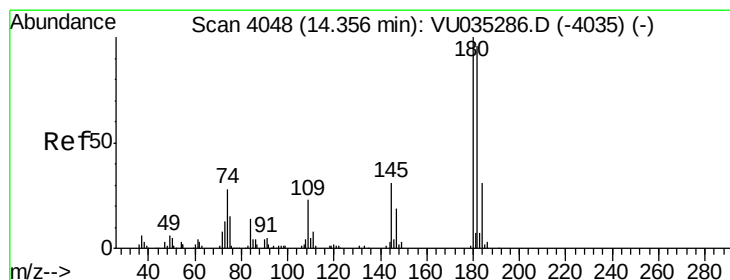
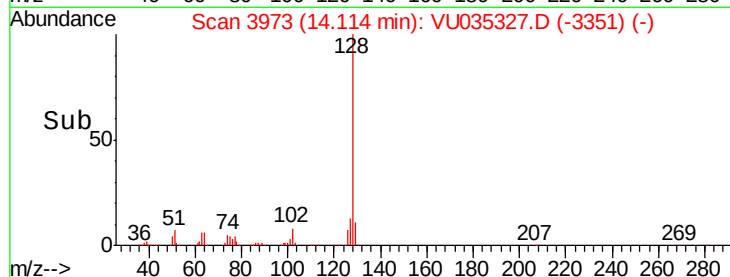
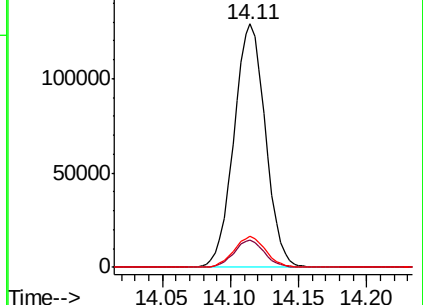
127 12.8 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.684 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. -0.00 min

Lab File: VU035327.D

Acq: 21 Oct 2019 16:05

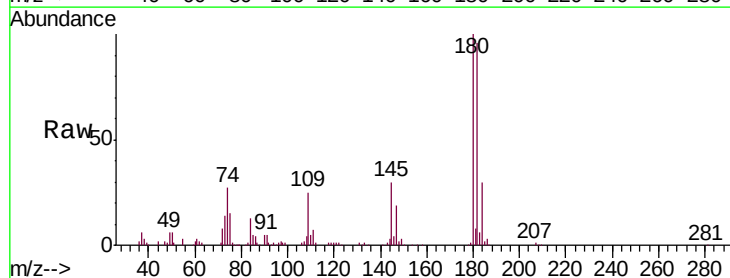
Tgt Ion:180 Resp: 131293

Ion Ratio Lower Upper

180 100

182 97.2 76.0 114.0

145 30.7 24.6 37.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

