

Data File : VU035099.D  
Acq On : 11 Oct 2019 19:09  
Operator : JC/SP  
Sample : K5310-06  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
IW-2-001-02

Quant Time: Oct 12 02:46:19 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100719WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Oct 12 02:39:23 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 163094   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 167802   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 74587    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 56671    | 5.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 117.60% |
| 7) Chloroethane-d5             | 1.67   | 69    | 51024    | 5.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 113.40% |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 79321    | 3.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 78.00%  |
| 20) 2-Butanone-d5              | 4.19   | 46    | 131810   | 46.43    | ug/L | 0.02    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 92.86%  |
| 24) Chloroform-d               | 4.62   | 84    | 102502   | 5.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 113.80% |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 56887    | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.40% |
| 32) Benzene-d6                 | 5.32   | 84    | 198087   | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.60% |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 69481    | 5.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 105.60% |
| 41) Toluene-d8                 | 7.55   | 98    | 170884   | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.80%  |
| 43) trans-1,3-Dichloropropene- | 7.84   | 79    | 19791    | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.60%  |
| 46) 2-Hexanone-d5              | 8.30   | 63    | 111688   | 49.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 99.22%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41  | 84    | 57638    | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 104.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.84  | 152   | 64623    | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.80% |

#### Target Compounds

|                              |       |     |        |              | Qvalue |
|------------------------------|-------|-----|--------|--------------|--------|
| 3) Chloromethane             | 1.32  | 50  | 2196   | 0.134 ug/L   | 99     |
| 5) Vinyl chloride            | 1.40  | 62  | 145418 | 9.054 ug/L   | 99     |
| 8) Chloroethane              | 1.77  | 64  | 3530   | 0.366 ug/L # | 58     |
| 13) Acetone                  | 2.34  | 43  | 6770   | 2.911 ug/L # | 1      |
| 14) Carbon disulfide         | 2.47  | 76  | 11219  | 0.322 ug/L   | 95     |
| 18) trans-1,2-Dichloroethene | 2.96  | 96  | 159199 | 14.193 ug/L  | 92     |
| 22) cis-1,2-Dichloroethene   | 4.20  | 96  | 10894  | 0.871 ug/L   | 97     |
| 35) Methylcyclohexane        | 6.31  | 83  | 15121  | 0.716 ug/L # | 18     |
| 37) 1,2-Dichloropropane      | 6.31  | 63  | 7553   | 0.554 ug/L # | 90     |
| 42) Toluene                  | 7.62  | 91  | 13919  | 0.264 ug/L   | 93     |
| 47) Tetrachloroethene        | 8.21  | 164 | 1202   | 0.114 ug/L # | 73     |
| 48) 2-Hexanone               | 8.30  | 43  | 12388  | 2.105 ug/L # | 69     |
| 49) Dibromochloromethane     | 8.21  | 129 | 954    | 0.091 ug/L # | 12     |
| 51) Chlorobenzene            | 9.10  | 112 | 67002  | 1.960 ug/L   | 99     |
| 59) 1,2,3-Trichloropropane   | 11.47 | 75  | 10825  | 1.227 ug/L   | 99     |
| 62) 1,3-Dichlorobenzene      | 11.40 | 146 | 2560   | 0.111 ug/L   | 96     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU101219\  
Quantitation Report (Not Reviewed)

Data File : VU035099.D  
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Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Oct 12 02:39:23 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

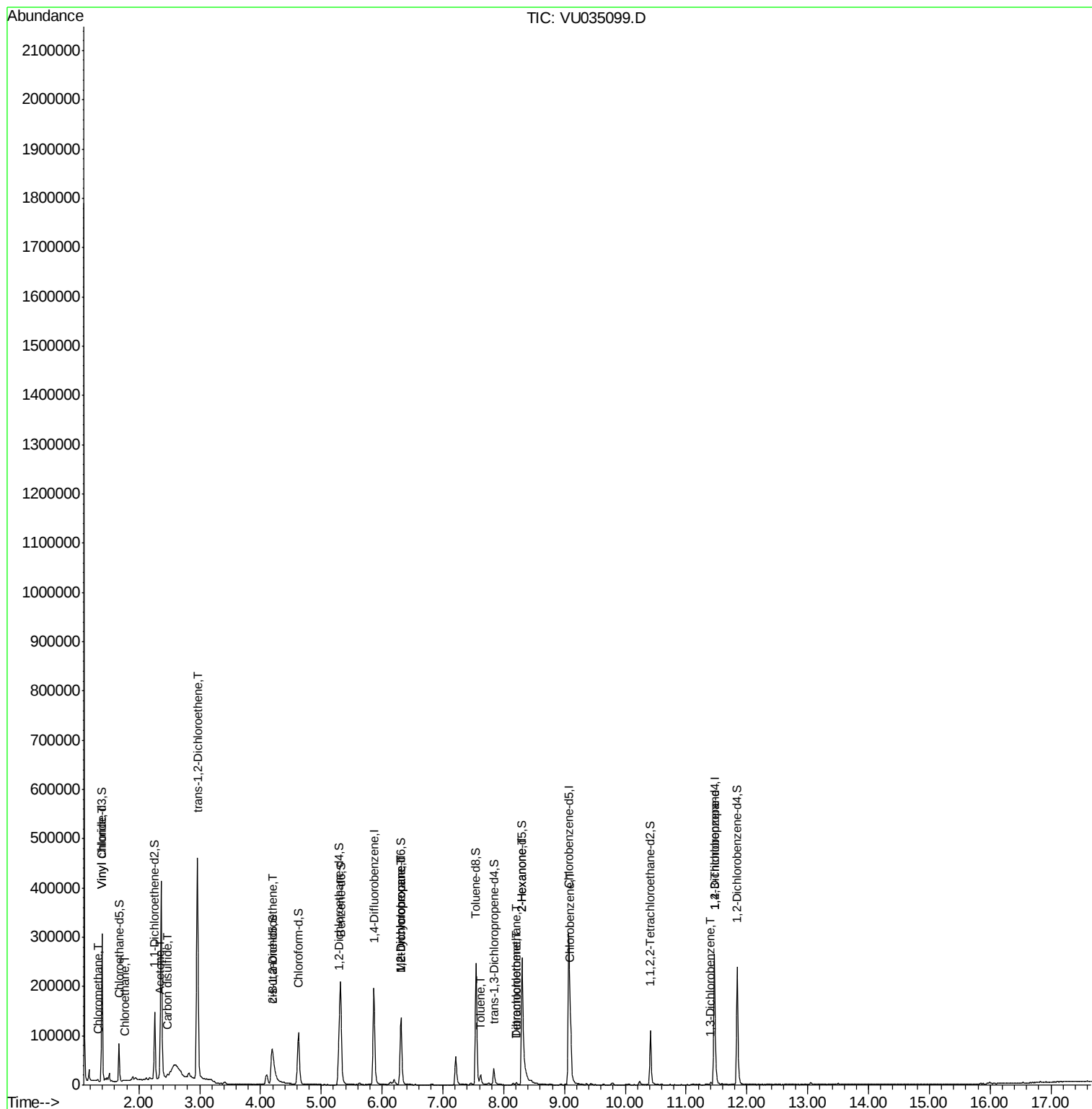
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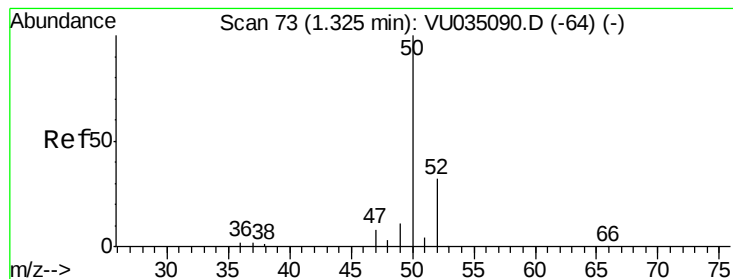
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 12 02:39:23 2019  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.134 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU035099.D

Acq: 11 Oct 2019 19:09

Instrument :

MSVOA\_U

ClientSampleId :

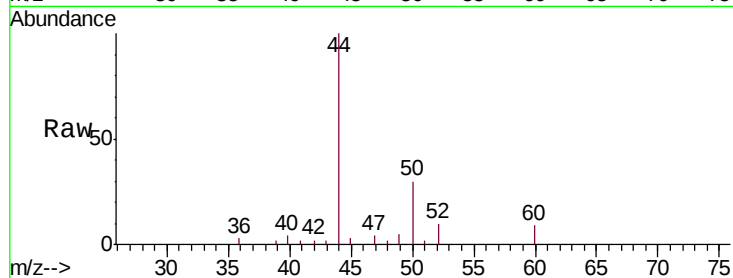
IW-2-001-02

Tgt Ion: 50 Resp: 2196

Ion Ratio Lower Upper

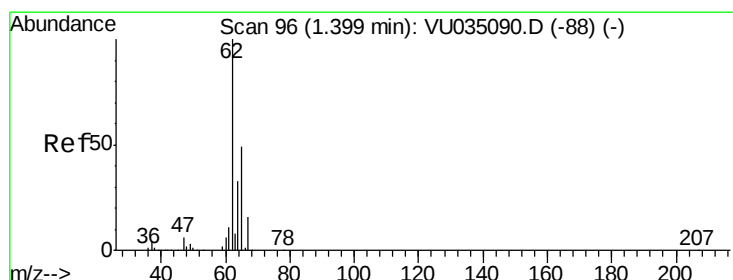
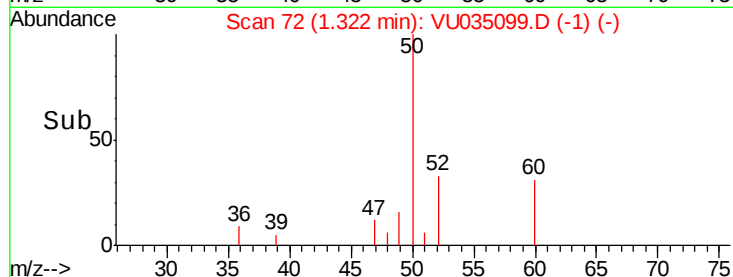
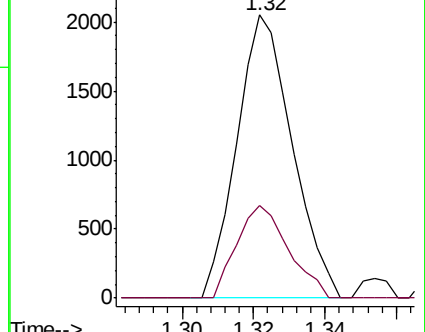
50 100

52 32.9 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035099.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU035099.D (-64) (-)



#5

Vinyl chloride

Concen: 9.054 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU035099.D

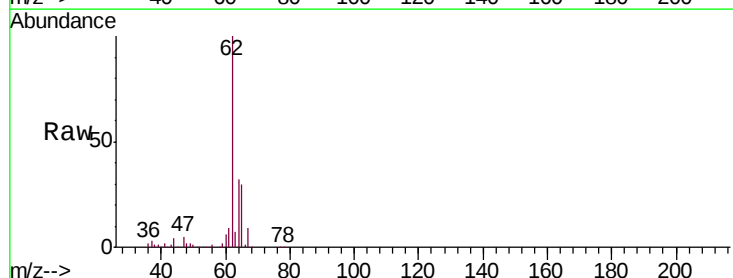
Acq: 11 Oct 2019 19:09

Tgt Ion: 62 Resp: 145418

Ion Ratio Lower Upper

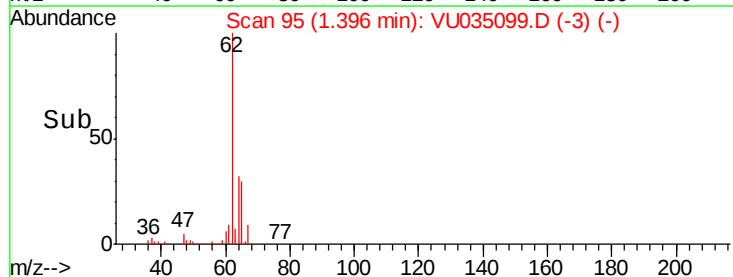
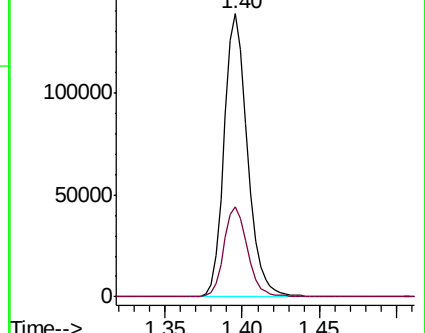
62 100

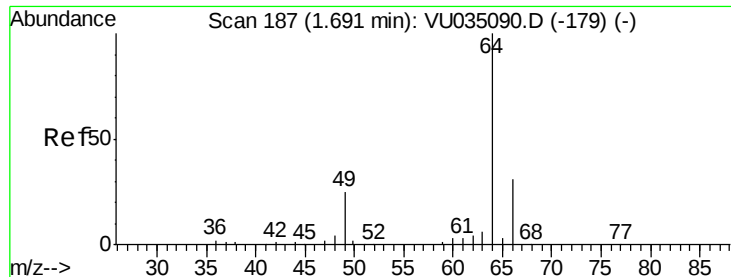
64 31.9 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU035099.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU035099.D (-88) (-)

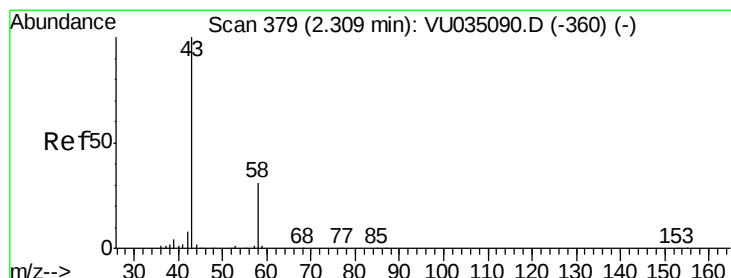
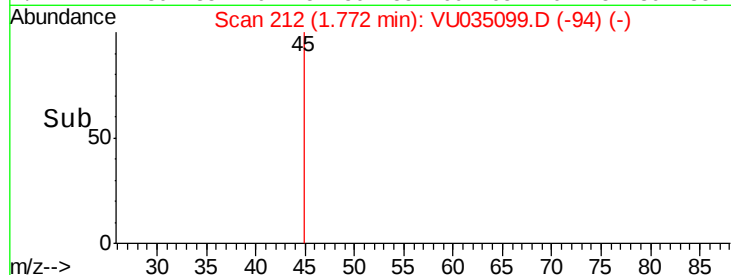
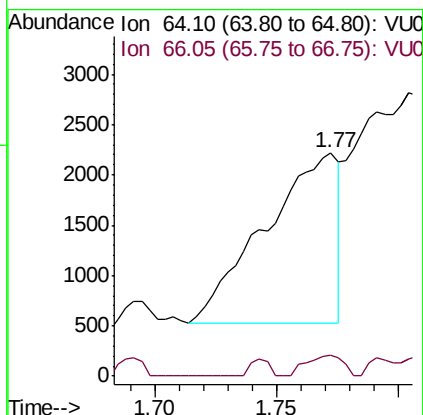
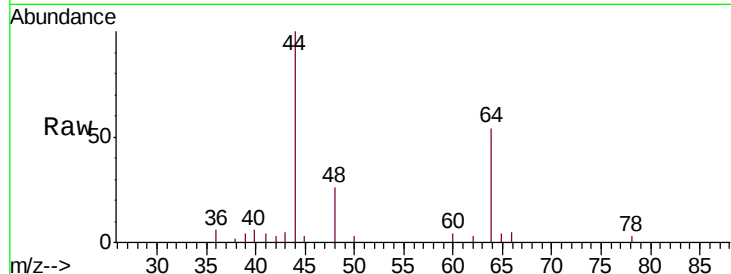




#8  
Chloroethane  
Concen: 0.366 ug/L  
RT: 1.77 min Scan# 212  
Delta R.T. 0.08 min  
Lab File: VU035099.D  
Acq: 11 Oct 2019 19:09

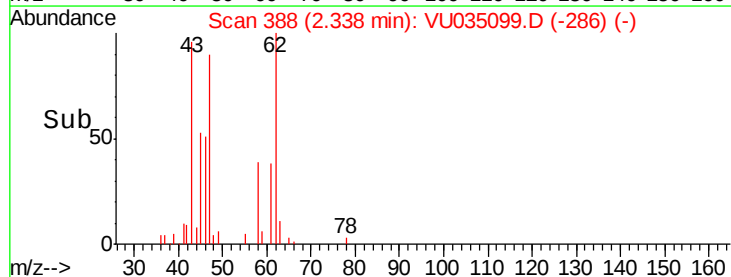
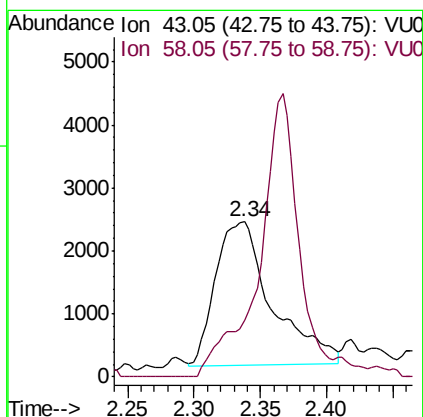
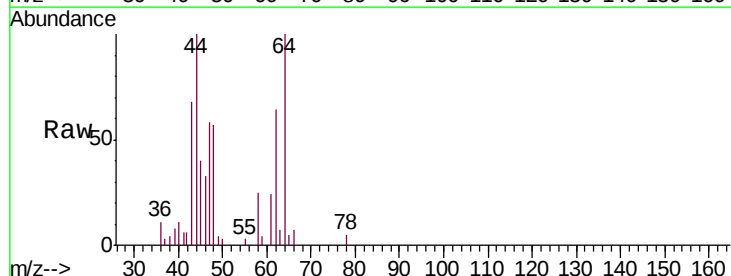
Instrument :  
MSVOA\_U  
ClientSampleId :  
IW-2-001-02

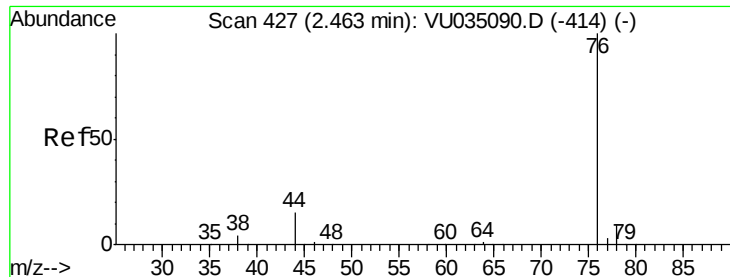
Tgt Ion: 64 Resp: 3530  
Ion Ratio Lower Upper  
64 100  
66 9.5 23.2 43.2#



#13  
Acetone  
Concen: 2.911 ug/L  
RT: 2.34 min Scan# 388  
Delta R.T. 0.03 min  
Lab File: VU035099.D  
Acq: 11 Oct 2019 19:09

Tgt Ion: 43 Resp: 6770  
Ion Ratio Lower Upper  
43 100  
58 136.6 0.0 66.6#





#14

Carbon disulfide

Concen: 0.322 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.01 min

Lab File: VU035099.D

Acq: 11 Oct 2019 19:09

Instrument :

MSVOA\_U

ClientSampleId :

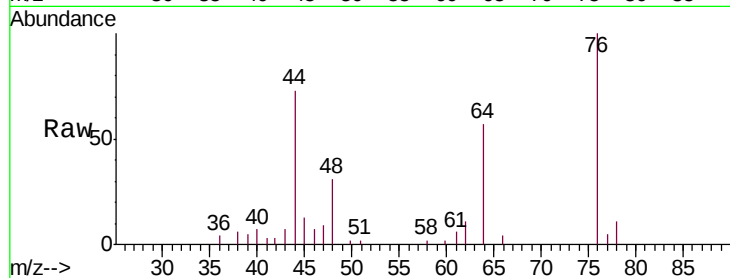
IW-2-001-02

Tgt Ion: 76 Resp: 11219

Ion Ratio Lower Upper

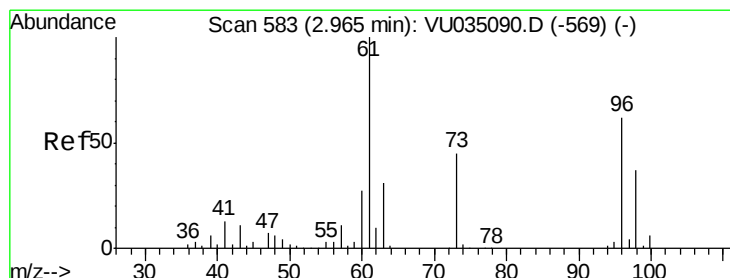
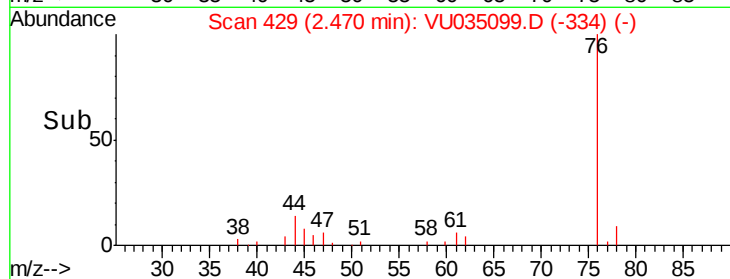
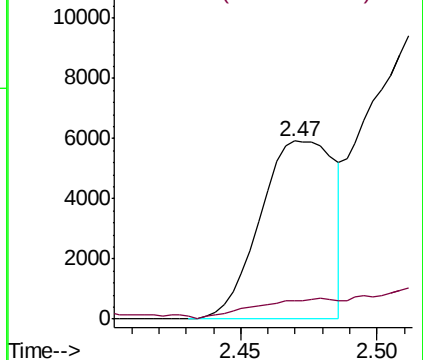
76 100

78 10.5 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



#18

trans-1,2-Dichloroethene

Concen: 14.193 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU035099.D

Acq: 11 Oct 2019 19:09

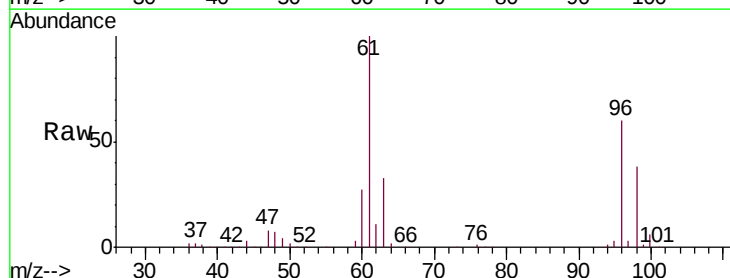
Tgt Ion: 96 Resp: 159199

Ion Ratio Lower Upper

96 100

61 166.1 107.1 198.9

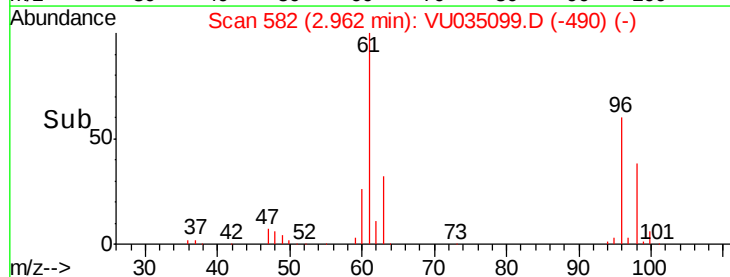
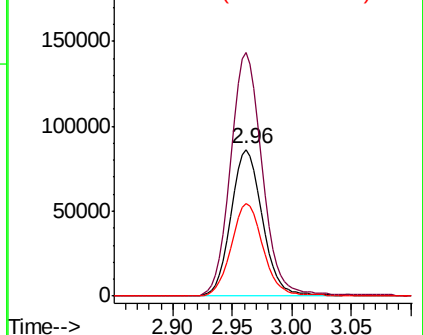
98 63.2 45.4 84.4

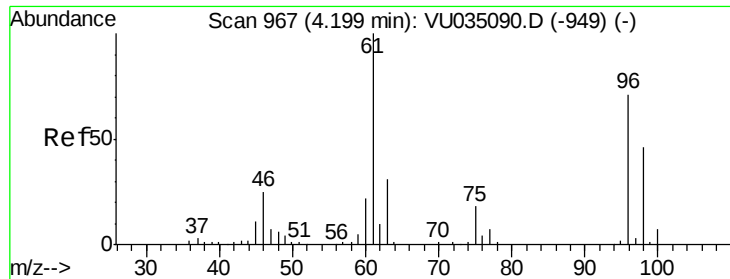


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.871 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU035099.D

Acq: 11 Oct 2019 19:09

Instrument :

MSVOA\_U

ClientSampleId :

IW-2-001-02

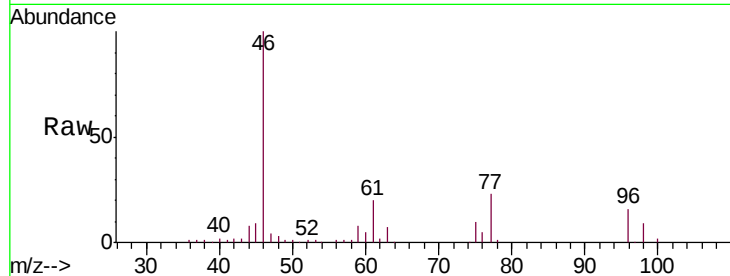
Tgt Ion: 96 Resp: 10894

Ion Ratio Lower Upper

96 100

61 130.9 89.2 165.6

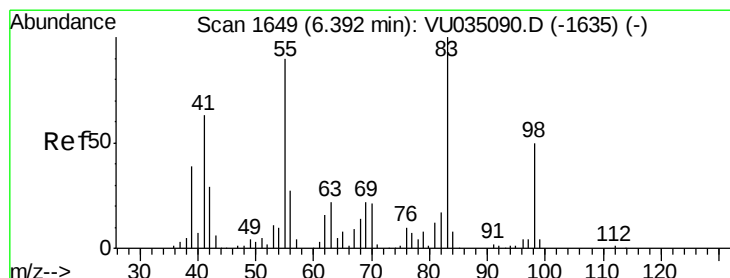
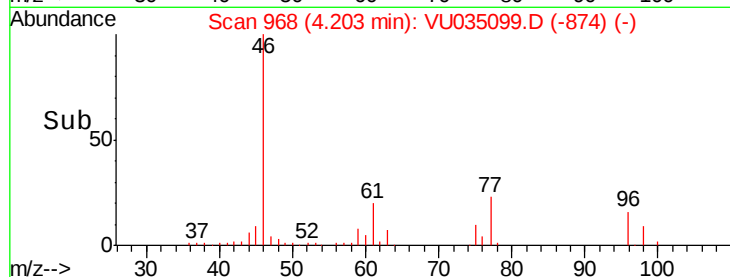
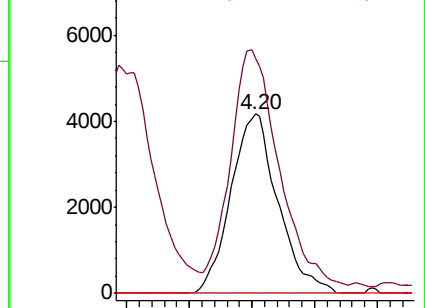
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035099.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU035099.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU035099.D (-949) (-)



#35

Methylcyclohexane

Concen: 0.716 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU035099.D

Acq: 11 Oct 2019 19:09

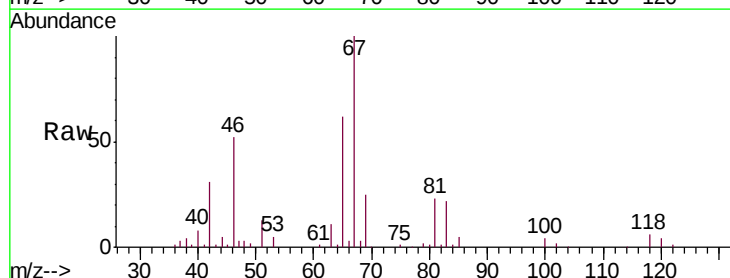
Tgt Ion: 83 Resp: 15121

Ion Ratio Lower Upper

83 100

55 0.3 62.6 94.0#

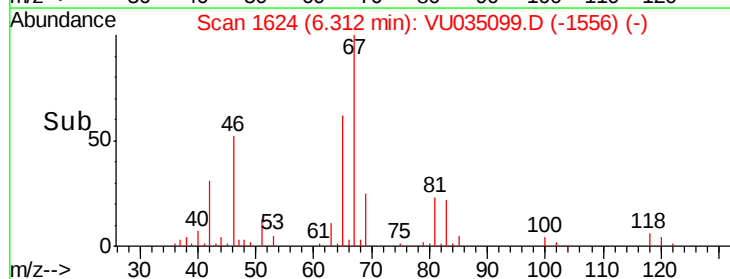
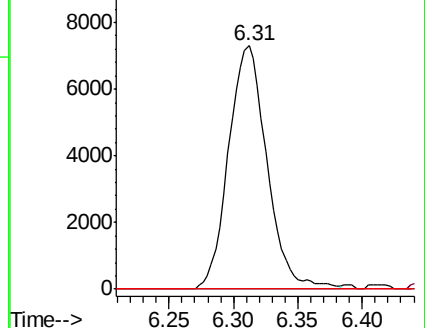
98 0.0 36.2 54.2#

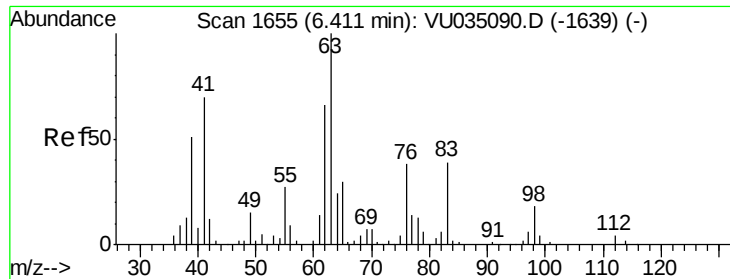


Abundance Ion 83.15 (82.85 to 83.85): VU035099.D (-1635) (-)

Ion 55.10 (54.80 to 55.80): VU035099.D (-1635) (-)

Ion 98.15 (97.85 to 98.85): VU035099.D (-1635) (-)

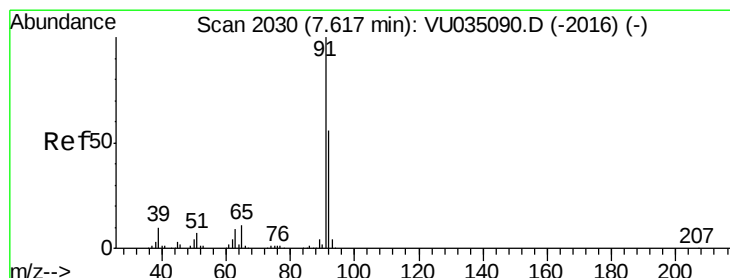
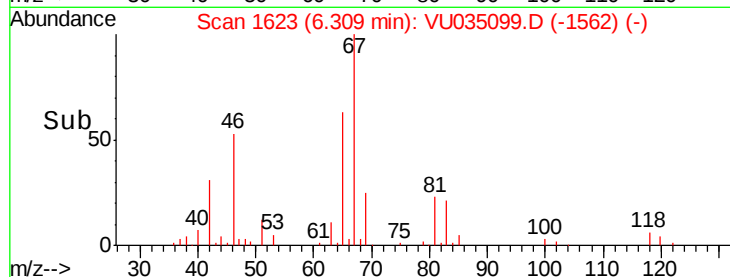
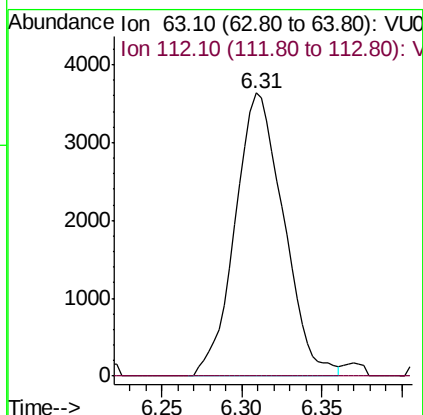
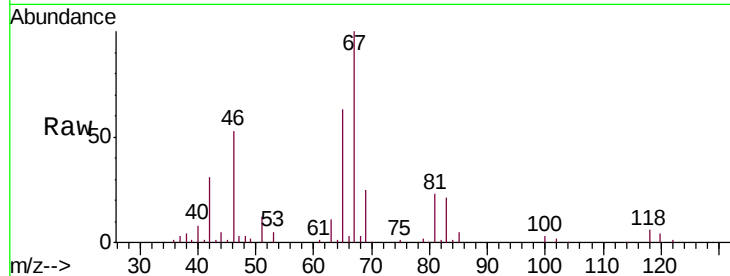




#37  
 1,2-Dichloropropane  
 Concen: 0.554 ug/L  
 RT: 6.31 min Scan# 1623  
 Delta R.T. -0.10 min  
 Lab File: VU035099.D  
 Acq: 11 Oct 2019 19:09

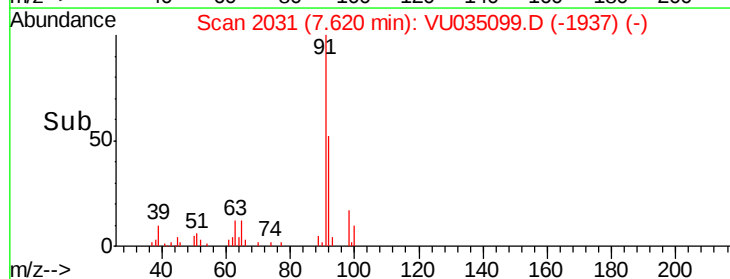
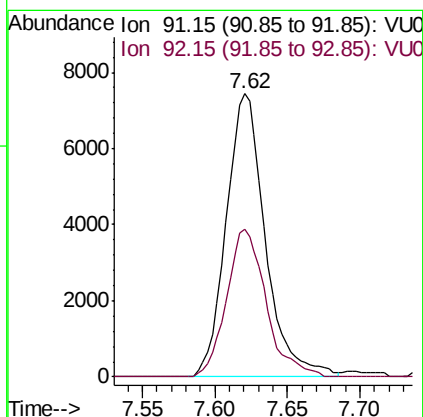
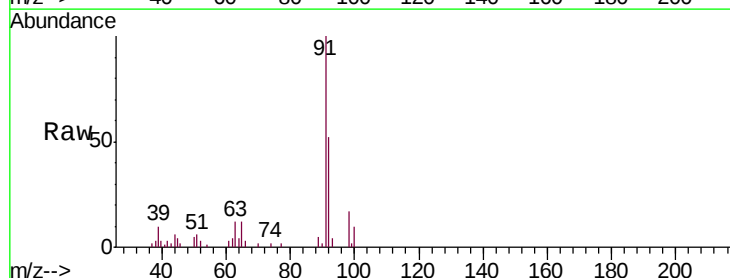
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 IW-2-001-02

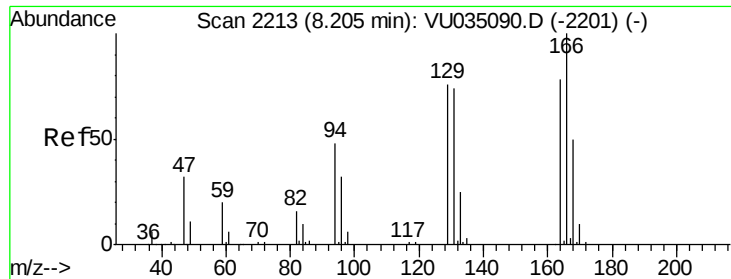
Tgt Ion: 63 Resp: 7553  
 Ion Ratio Lower Upper  
 63 100  
 112 0.5 3.1 4.7#



#42  
 Toluene  
 Concen: 0.264 ug/L  
 RT: 7.62 min Scan# 2031  
 Delta R.T. 0.00 min  
 Lab File: VU035099.D  
 Acq: 11 Oct 2019 19:09

Tgt Ion: 91 Resp: 13919  
 Ion Ratio Lower Upper  
 91 100  
 92 52.0 40.0 74.2

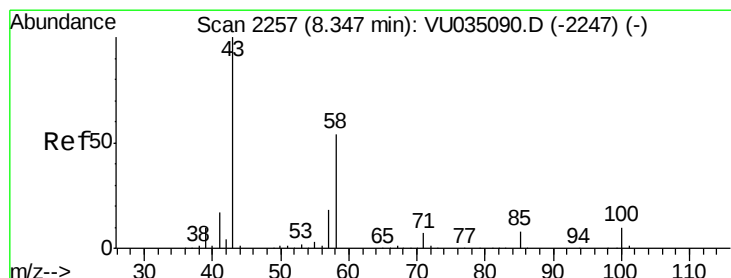
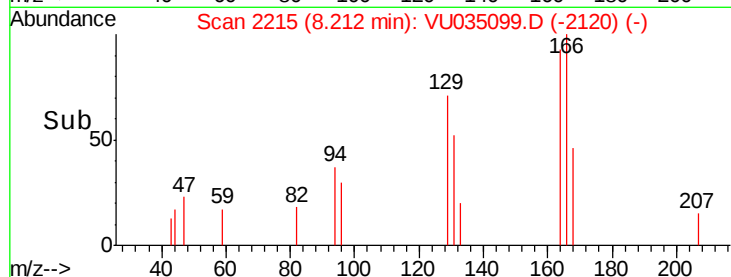
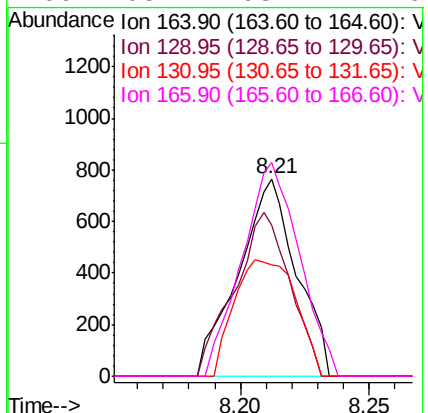
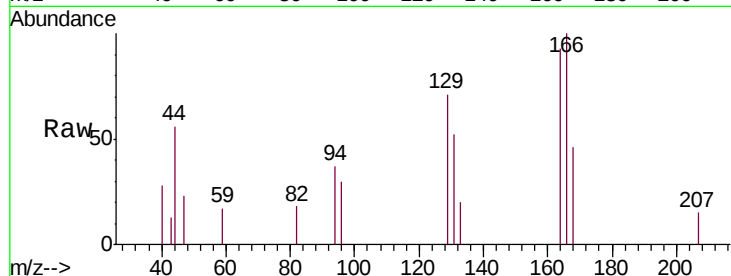




#47  
Tetrachloroethene  
Concen: 0.114 ug/L  
RT: 8.21 min Scan# 2215  
Delta R.T. 0.01 min  
Lab File: VU035099.D  
Acq: 11 Oct 2019 19:09

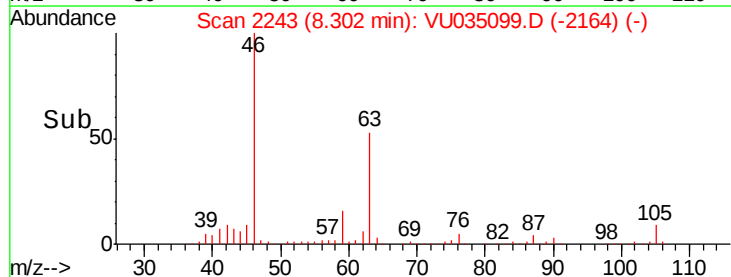
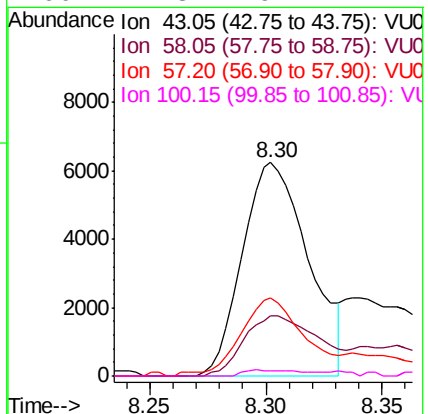
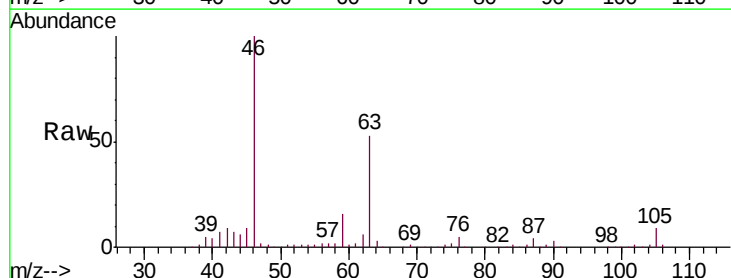
Instrument :  
MSVOA\_U  
ClientSampleId :  
IW-2-001-02

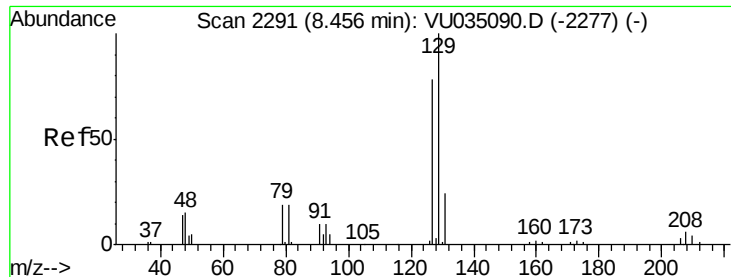
Tgt Ion: 164 Resp: 1202  
Ion Ratio Lower Upper  
164 100  
129 76.5 68.5 127.1  
131 56.3 67.3 124.9#  
166 108.1 93.1 172.9



#48  
2-Hexanone  
Concen: 2.105 ug/L  
RT: 8.30 min Scan# 2243  
Delta R.T. -0.04 min  
Lab File: VU035099.D  
Acq: 11 Oct 2019 19:09

Tgt Ion: 43 Resp: 12388  
Ion Ratio Lower Upper  
43 100  
58 32.0 44.1 66.1#  
57 34.9 15.8 23.8#  
100 2.3 9.4 14.2#





#49

Dibromochloromethane

Concen: 0.091 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.25 min

Lab File: VU035099.D

Acq: 11 Oct 2019 19:09

Instrument :

MSVOA\_U

ClientSampleId :

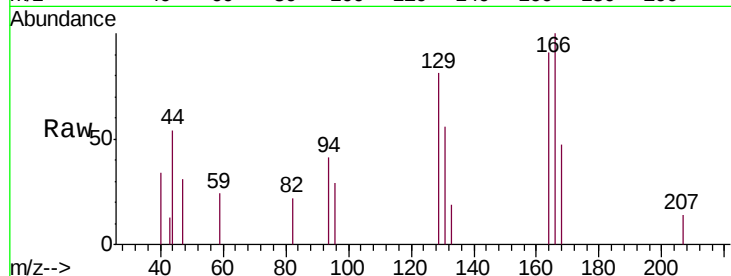
IW-2-001-02

Tgt Ion:129 Resp: 954

Ion Ratio Lower Upper

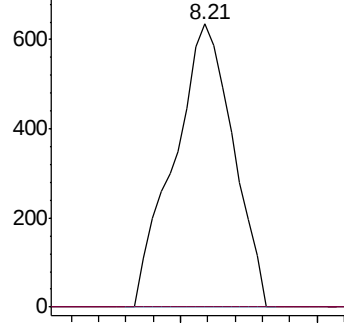
129 100

127 0.0 51.9 96.5#

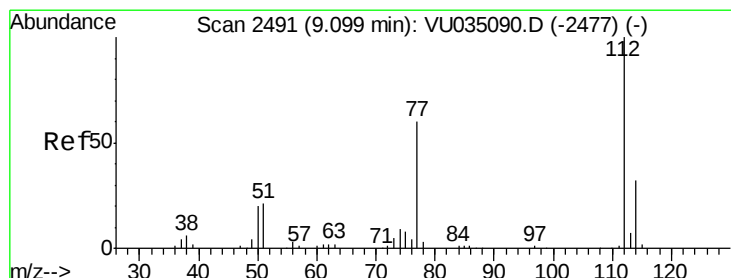
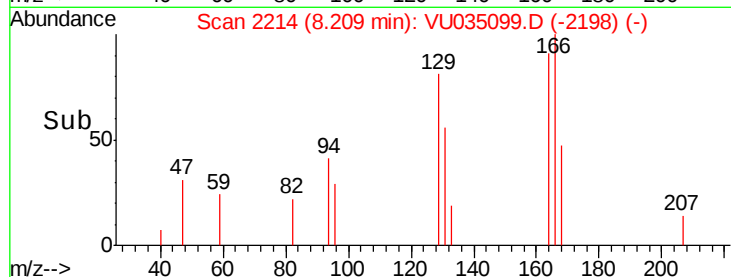


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



Time-->



#51

Chlorobenzene

Concen: 1.960 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU035099.D

Acq: 11 Oct 2019 19:09

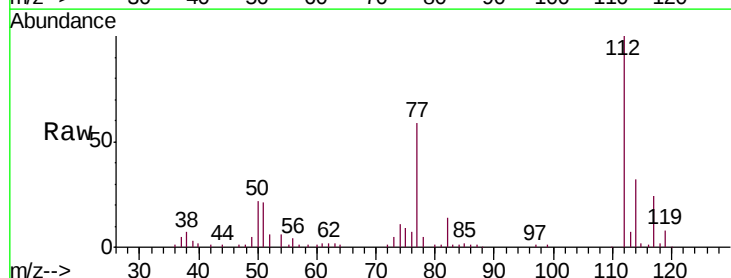
Tgt Ion:112 Resp: 67002

Ion Ratio Lower Upper

112 100

114 32.4 22.1 41.1

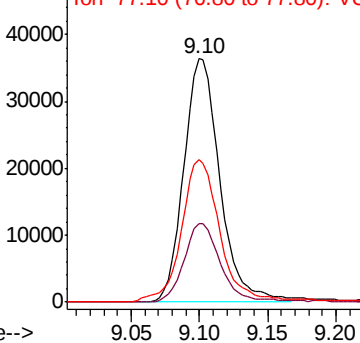
77 58.7 46.9 70.3



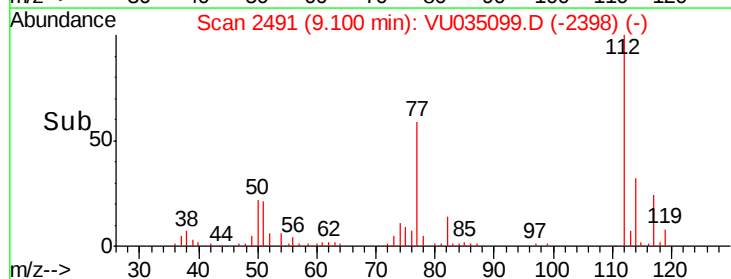
Abundance Ion 112.10 (111.80 to 112.80): V

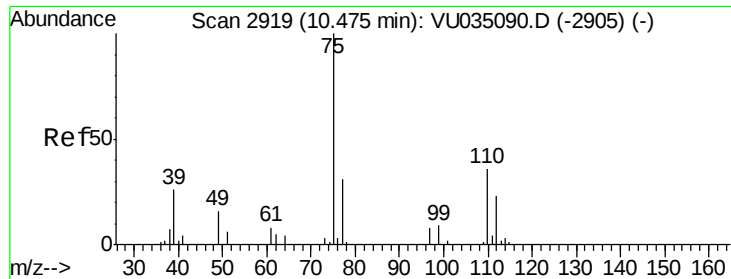
Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0



Time-->

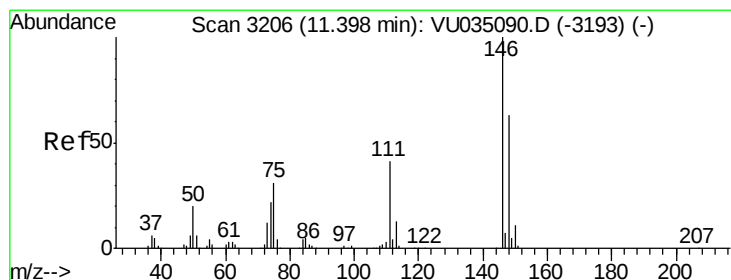
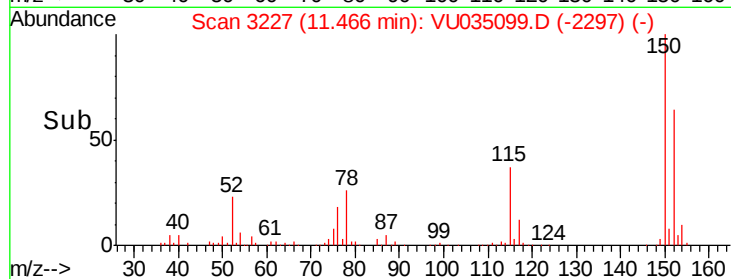
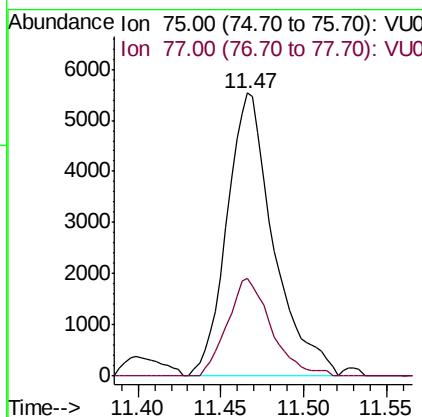
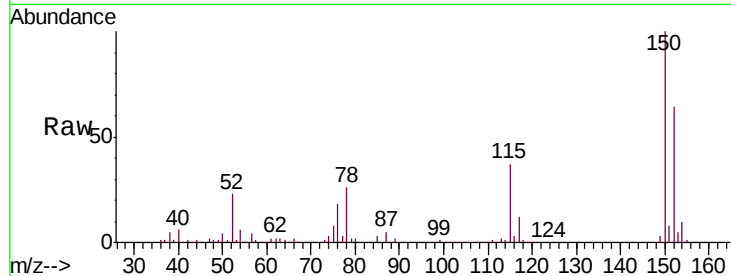




#59  
 1,2,3-Trichloropropane  
 Concen: 1.227 ug/L  
 RT: 11.47 min Scan# 3227  
 Delta R.T. 0.99 min  
 Lab File: VU035099.D  
 Acq: 11 Oct 2019 19:09

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 IW-2-001-02

Tgt Ion: 75 Resp: 10825  
 Ion Ratio Lower Upper  
 75 100  
 77 32.5 26.5 39.7



#62  
 1,3-Dichlorobenzene  
 Concen: 0.111 ug/L  
 RT: 11.40 min Scan# 3207  
 Delta R.T. 0.00 min  
 Lab File: VU035099.D  
 Acq: 11 Oct 2019 19:09

Tgt Ion: 146 Resp: 2560  
 Ion Ratio Lower Upper  
 146 100  
 111 34.6 28.6 53.2  
 148 63.8 45.0 83.6

