

Data File : VU032259.D  
Acq On : 23 May 2019 09:50  
Operator : JC/SP  
Sample : K3001-08  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
E3YF3

Quant Time: May 24 01:37:31 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR052219WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri May 24 01:34:27 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 368797   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 373993   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 154655   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 107106   | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 103.40% |
| 7) Chloroethane-d5             | 1.68   | 69    | 91166    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 158039   | 4.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 82.80%  |
| 20) 2-Butanone-d5              | 4.21   | 46    | 231131   | 39.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 79.12%  |
| 24) Chloroform-d               | 4.64   | 84    | 204627   | 3.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 77.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 101912   | 3.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 72.80%  |
| 32) Benzene-d6                 | 5.33   | 84    | 425755   | 4.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 80.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 123938   | 3.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 71.80%  |
| 41) Toluene-d8                 | 7.56   | 98    | 353945   | 3.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 68.60%# |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 42831    | 3.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 64.60%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 191223   | 38.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 76.70%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 99144    | 2.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 57.80%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 133211   | 3.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 62.60%# |

#### Target Compounds

|                               |       |     |       |              | Qvalue |
|-------------------------------|-------|-----|-------|--------------|--------|
| 3) Chloromethane              | 1.32  | 50  | 4189  | 0.265 ug/L   | 84     |
| 8) Chloroethane               | 1.70  | 64  | 1681  | 0.166 ug/L # | 53     |
| 12) 1,1-Dichloroethene        | 2.27  | 96  | 1795  | 0.137 ug/L # | 1      |
| 13) Acetone                   | 2.35  | 43  | 53407 | 29.506 ug/L  | 92     |
| 15) Methyl Acetate            | 2.35  | 43  | 47732 | 8.987 ug/L # | 41     |
| 22) cis-1,2-Dichloroethene    | 4.23  | 96  | 3968  | 0.289 ug/L   | 89     |
| 25) Chloroform                | 4.66  | 83  | 9849  | 0.419 ug/L   | 92     |
| 35) Methylcyclohexane         | 6.33  | 83  | 30321 | 1.516 ug/L # | 19     |
| 37) 1,2-Dichloropropane       | 6.33  | 63  | 12083 | 0.992 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene   | 7.22  | 75  | 2746  | 0.158 ug/L   | 87     |
| 42) Toluene                   | 7.64  | 91  | 13008 | 0.242 ug/L   | 94     |
| 44) trans-1,3-Dichloropropene | 7.85  | 75  | 1912  | 0.140 ug/L   | 98     |
| 48) 2-Hexanone                | 8.37  | 43  | 5351  | 1.133 ug/L # | 95     |
| 53) m,p-Xylene                | 9.38  | 106 | 6019  | 0.299 ug/L   | 90     |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75  | 16322 | 2.058 ug/L   | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU052319\  
Quantitation Report (Not Reviewed)

Data File : VU032259.D  
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Instrument :  
MSVOA\_U  
ClientSampleId :  
E3YF3

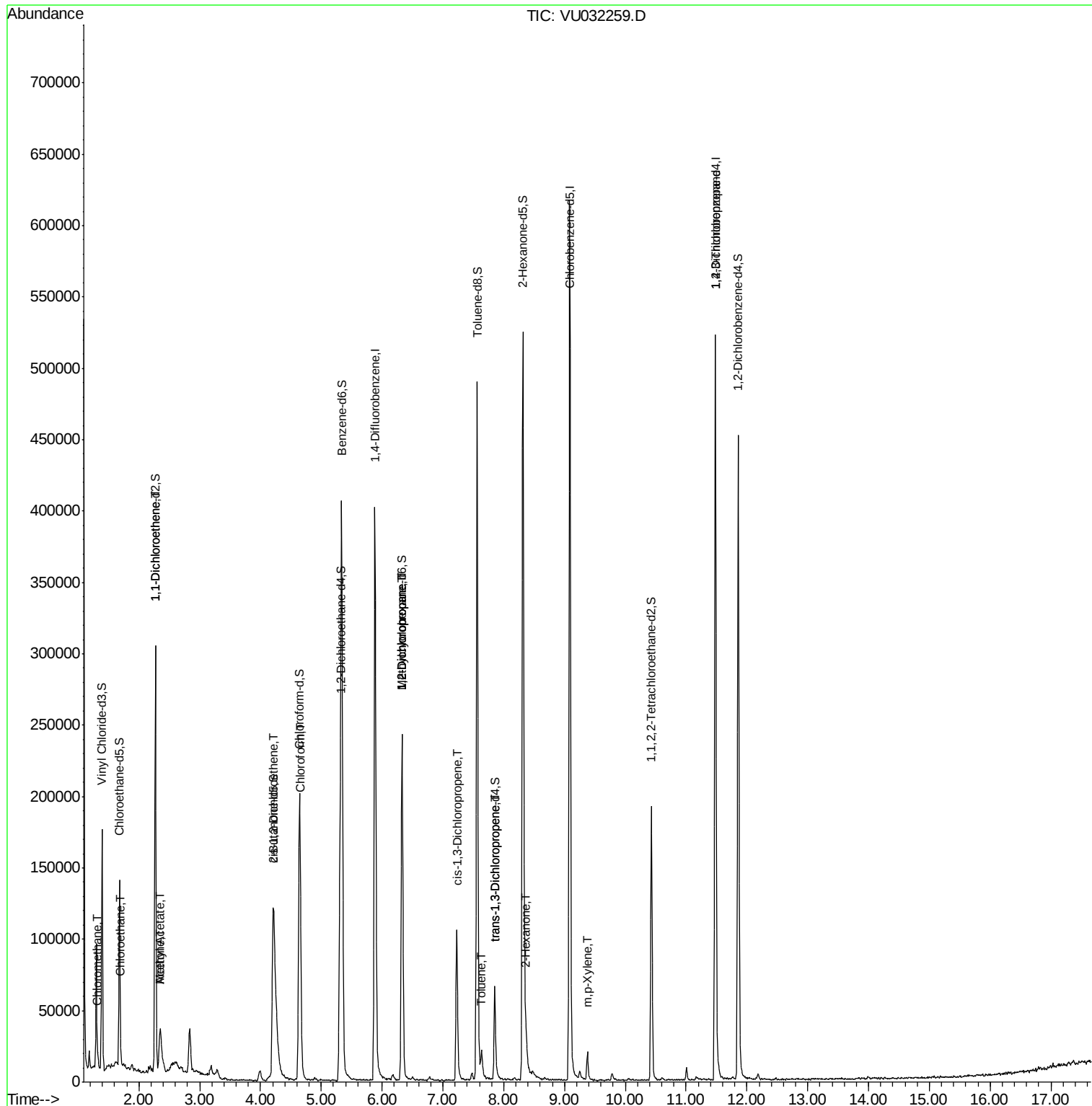
Quant Time: May 24 01:37:31 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR052219WMA.M  
Quant Title : TRACE VOA SOM01.0  
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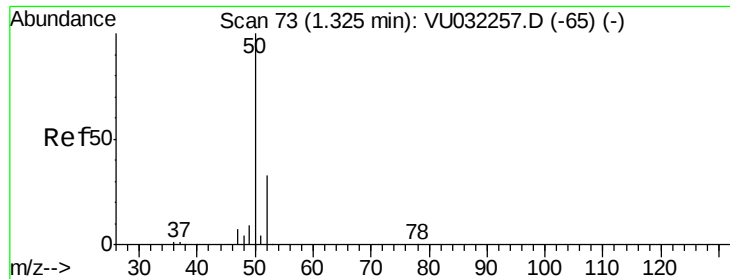
| Internal Standards                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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MSVOA\_U  
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Quant Time: May 24 01:37:31 2019  
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Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri May 24 01:34:27 2019  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.265 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032259.D

Acq: 23 May 2019 09:50

Instrument :

MSVOA\_U

ClientSampleId :

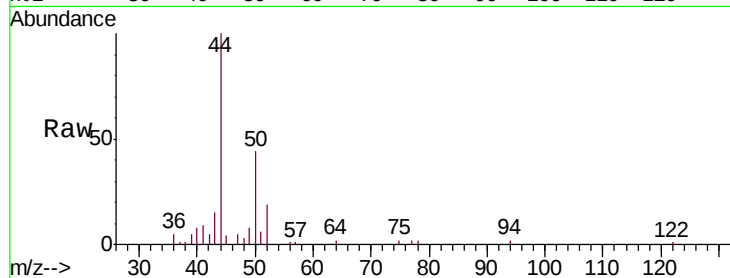
E3YF3

Tgt Ion: 50 Resp: 4189

Ion Ratio Lower Upper

50 100

52 42.4 23.3 43.3



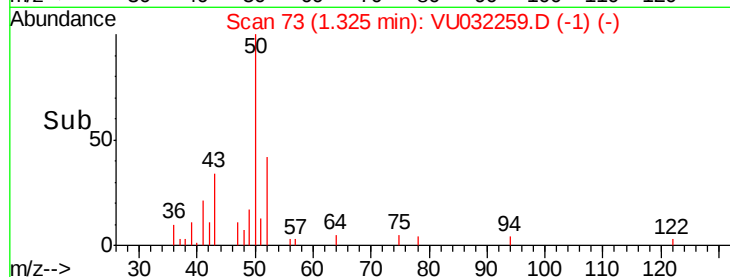
Abundance Ion 50.05 (49.75 to 50.75): VU032257.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU032257.D (-65) (-)

1.32

1.35

Time-->



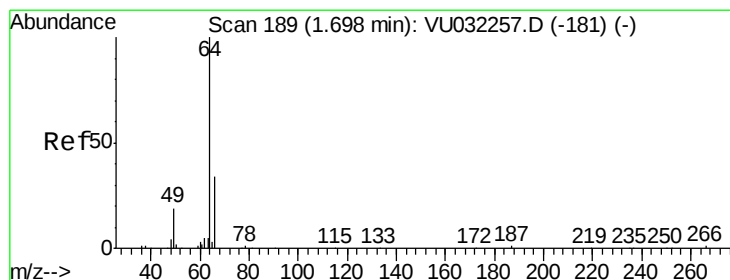
Abundance Ion 50.05 (49.75 to 50.75): VU032259.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU032259.D (-1) (-)

1.32

1.35

Time-->



#8

Chloroethane

Concen: 0.166 ug/L

RT: 1.70 min Scan# 191

Delta R.T. 0.01 min

Lab File: VU032259.D

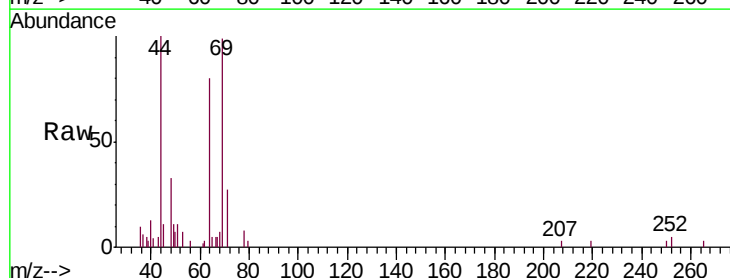
Acq: 23 May 2019 09:50

Tgt Ion: 64 Resp: 1681

Ion Ratio Lower Upper

64 100

66 6.7 23.1 42.9#



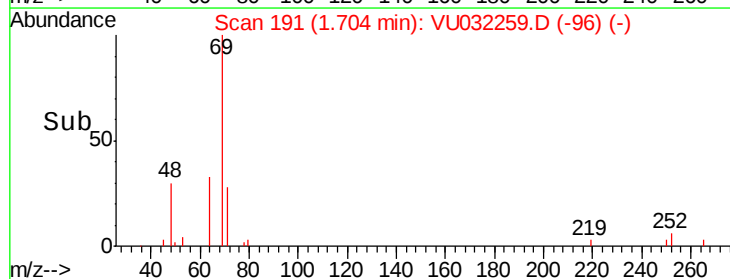
Abundance Ion 64.10 (63.80 to 64.80): VU032257.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU032257.D (-181) (-)

1.70

1.72

Time-->



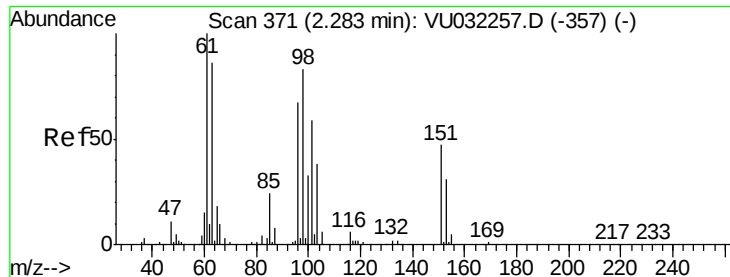
Abundance Ion 64.10 (63.80 to 64.80): VU032259.D (-96) (-)

Ion 66.05 (65.75 to 66.75): VU032259.D (-96) (-)

1.70

1.72

Time-->



#12

1,1-Dichloroethene

Concen: 0.137 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032259.D

Acq: 23 May 2019 09:50

Instrument :

MSVOA\_U

ClientSampleId :

E3YF3

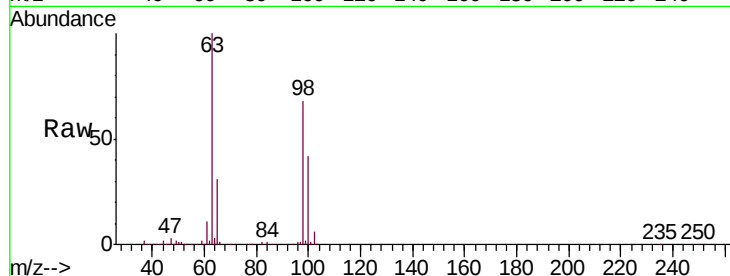
Tgt Ion: 96 Resp: 1795

Ion Ratio Lower Upper

96 100

61 933.7 113.8 211.3#

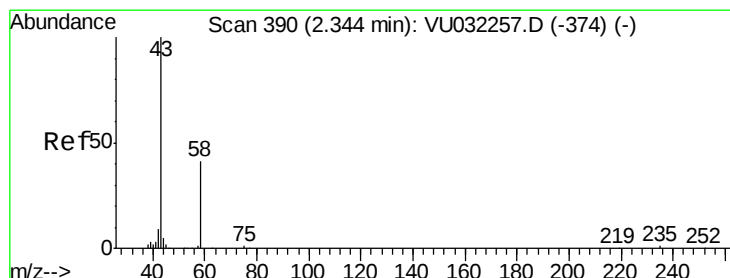
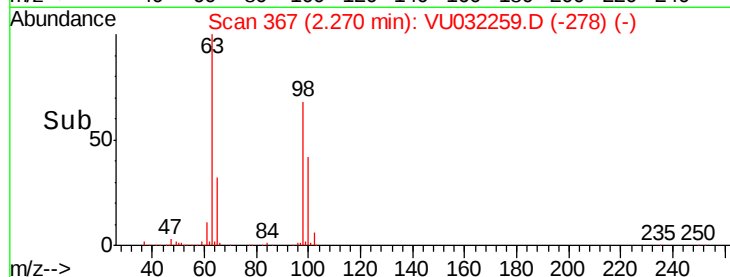
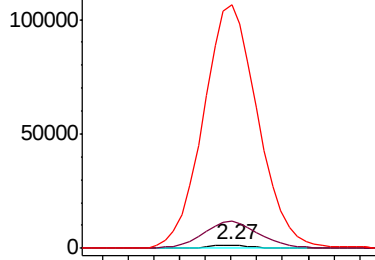
63 8244.8 108.8 202.2#



Abundance Ion 96.00 (95.70 to 96.70): VU032259.D (-278) (-)

Ion 61.05 (60.75 to 61.75): VU032259.D (-278) (-)

Ion 63.00 (62.70 to 63.70): VU032259.D (-278) (-)



#13

Acetone

Concen: 29.506 ug/L

RT: 2.35 min Scan# 392

Delta R.T. 0.01 min

Lab File: VU032259.D

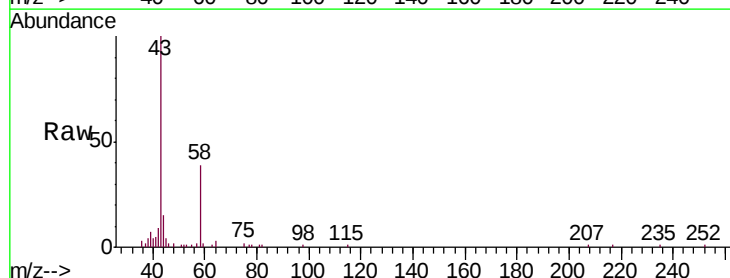
Acq: 23 May 2019 09:50

Tgt Ion: 43 Resp: 53407

Ion Ratio Lower Upper

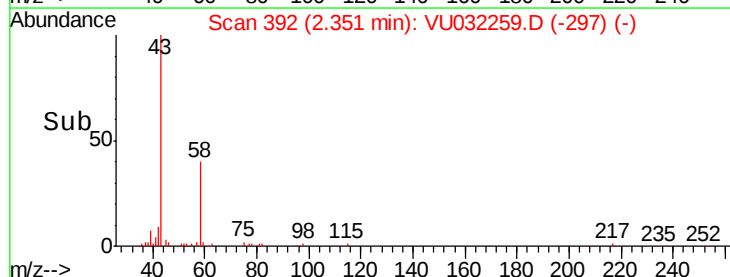
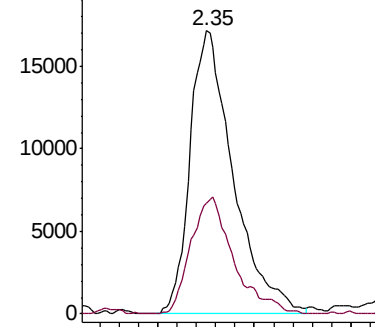
43 100

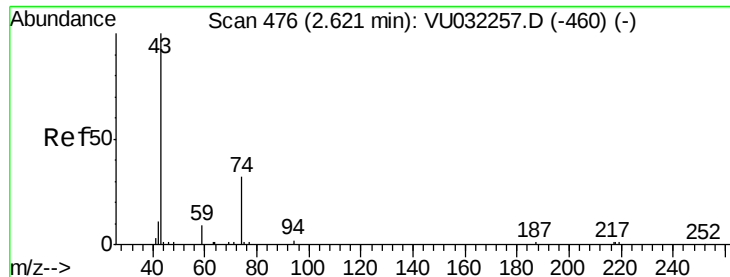
58 40.8 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU032259.D (-297) (-)

Ion 58.05 (57.75 to 58.75): VU032259.D (-297) (-)

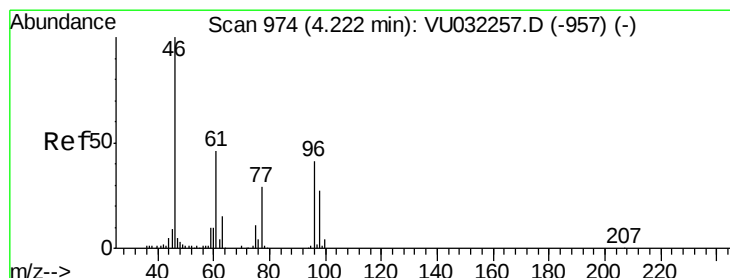
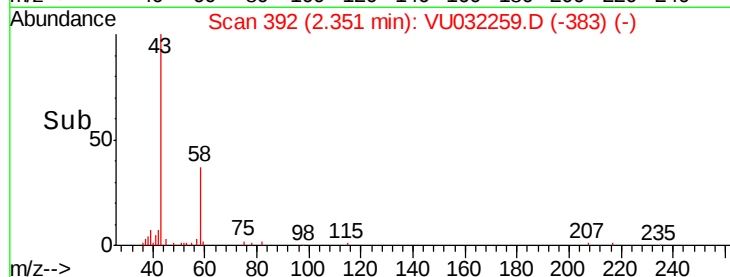
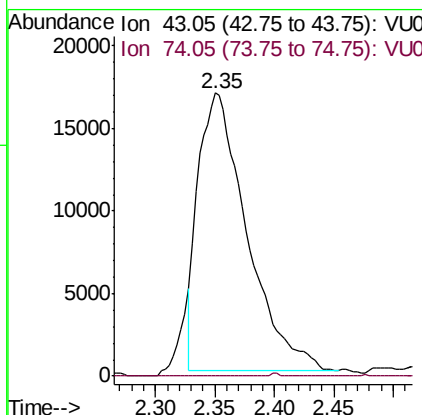
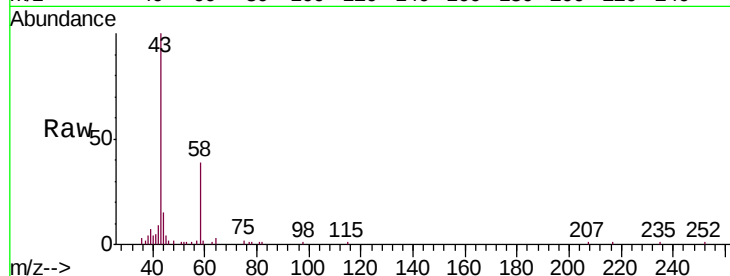




#15  
Methyl Acetate  
Concen: 8.987 ug/L  
RT: 2.35 min Scan# 392  
Delta R.T. -0.27 min  
Lab File: VU032259.D  
Acq: 23 May 2019 09:50

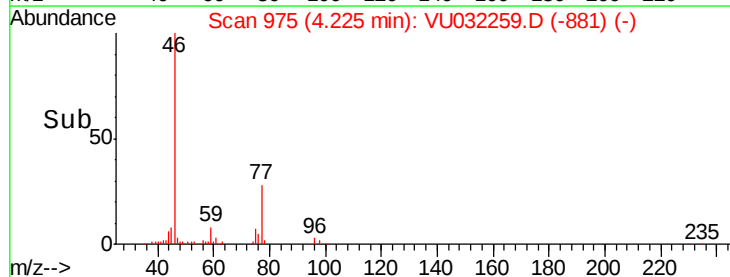
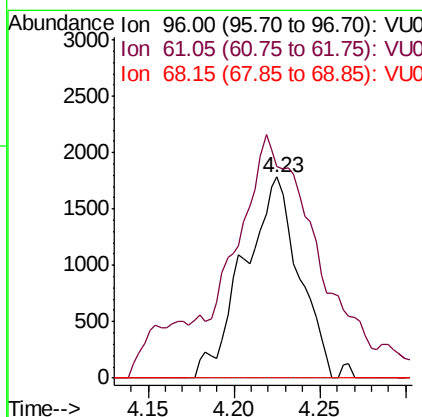
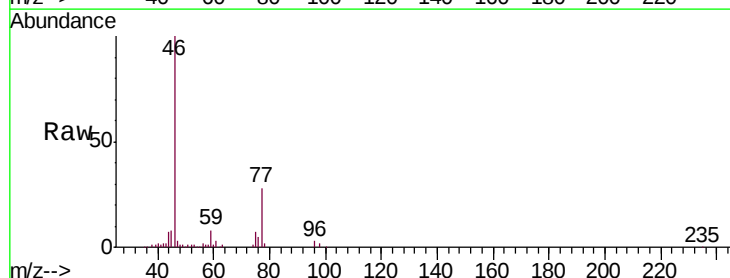
Instrument :  
MSVOA\_U  
ClientSampleId :  
E3YF3

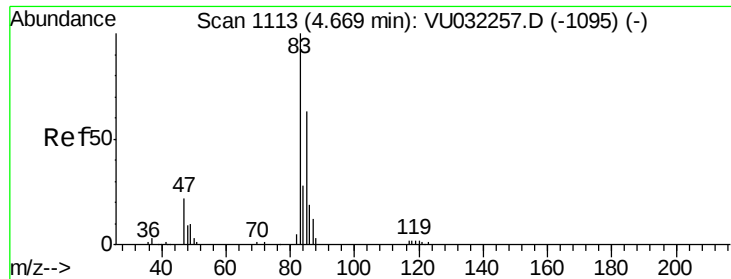
Tgt Ion: 43 Resp: 47732  
Ion Ratio Lower Upper  
43 100  
74 0.1 27.3 40.9#



#22  
cis-1,2-Dichloroethene  
Concen: 0.289 ug/L  
RT: 4.23 min Scan# 975  
Delta R.T. 0.00 min  
Lab File: VU032259.D  
Acq: 23 May 2019 09:50

Tgt Ion: 96 Resp: 3968  
Ion Ratio Lower Upper  
96 100  
61 105.3 82.5 153.1  
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.419 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VU032259.D

Acq: 23 May 2019 09:50

Instrument :

MSVOA\_U

ClientSampleId :

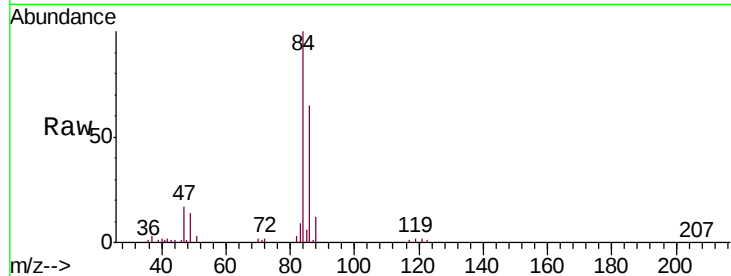
E3YF3

Tgt Ion: 83 Resp: 9849

Ion Ratio Lower Upper

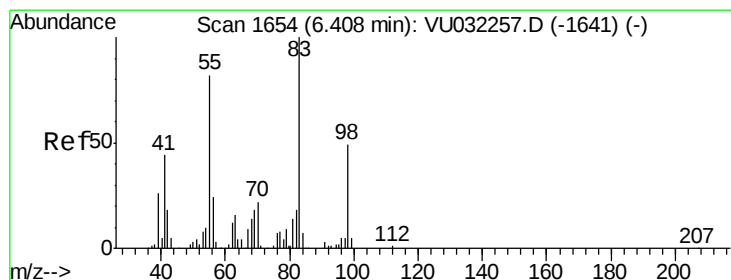
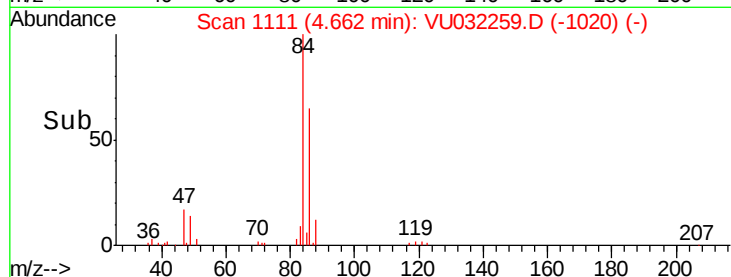
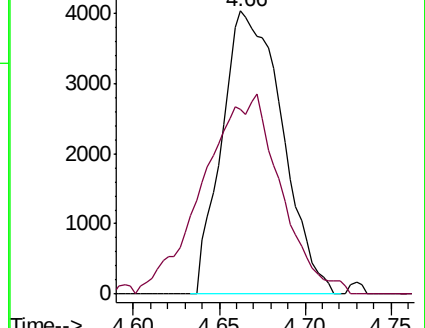
83 100

85 65.3 41.6 77.3



Abundance Ion 83.05 (82.75 to 83.75): VU032257.D (-1095) (-)

Ion 85.00 (84.70 to 85.70): VU032259.D (-1020) (-)



#35

Methylcyclohexane

Concen: 1.516 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU032259.D

Acq: 23 May 2019 09:50

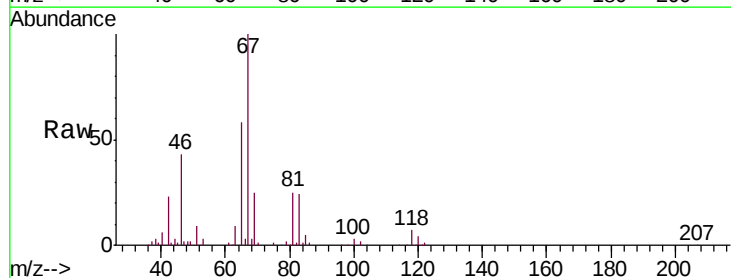
Tgt Ion: 83 Resp: 30321

Ion Ratio Lower Upper

83 100

55 0.0 59.7 89.5#

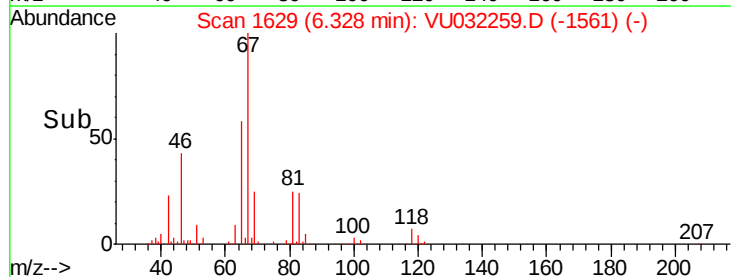
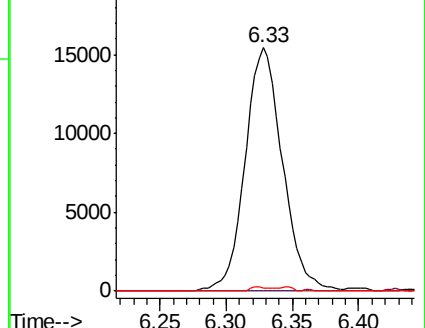
98 0.7 37.5 56.3#

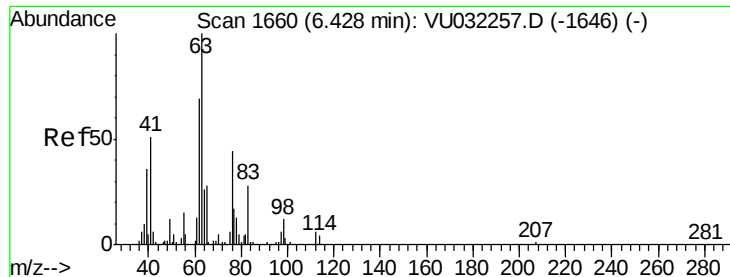


Abundance Ion 83.15 (82.85 to 83.85): VU032257.D (-1641) (-)

Ion 55.10 (54.80 to 55.80): VU032259.D (-1561) (-)

Ion 98.15 (97.85 to 98.85): VU032259.D (-1561) (-)





#37

1,2-Dichloropropane

Concen: 0.992 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU032259.D

Acq: 23 May 2019 09:50

Instrument :

MSVOA\_U

ClientSampleId :

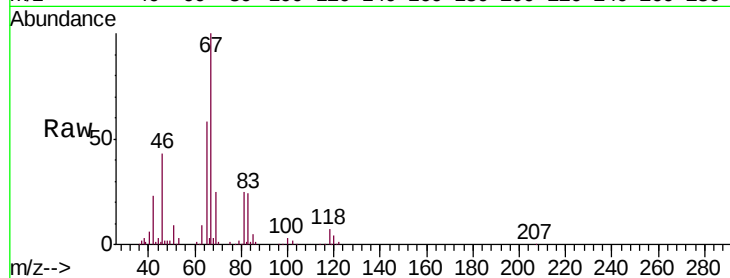
E3YF3

Tgt Ion: 63 Resp: 12083

Ion Ratio Lower Upper

63 100

112 0.4 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU032257.D (-1646) (-)

Ion 112.10 (111.80 to 112.80): VU032257.D (-1646) (-)

6.33

6000

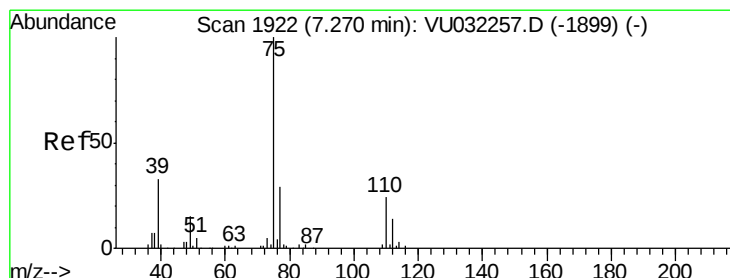
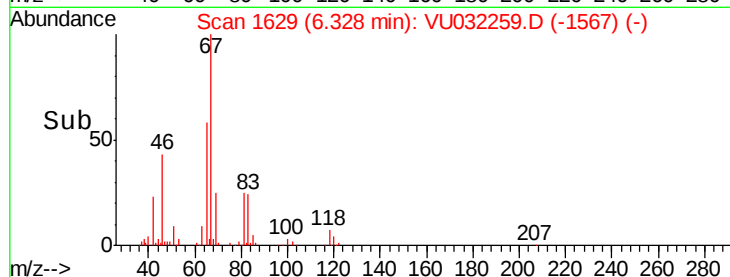
4000

2000

0

6.25 6.30 6.35 6.40

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.158 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU032259.D

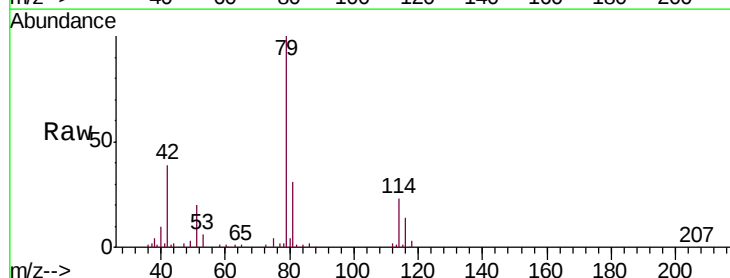
Acq: 23 May 2019 09:50

Tgt Ion: 75 Resp: 2746

Ion Ratio Lower Upper

75 100

77 39.5 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU032257.D (-1899) (-)

Ion 77.05 (76.75 to 77.75): VU032257.D (-1899) (-)

7.22

1500

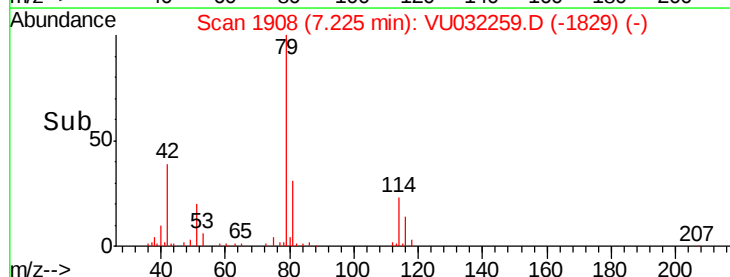
1000

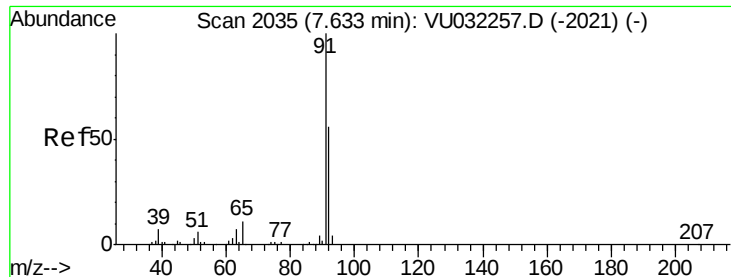
500

0

7.20 7.25

Time-->





#42

Toluene

Concen: 0.242 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU032259.D

Acq: 23 May 2019 09:50

Instrument :

MSVOA\_U

ClientSampleId :

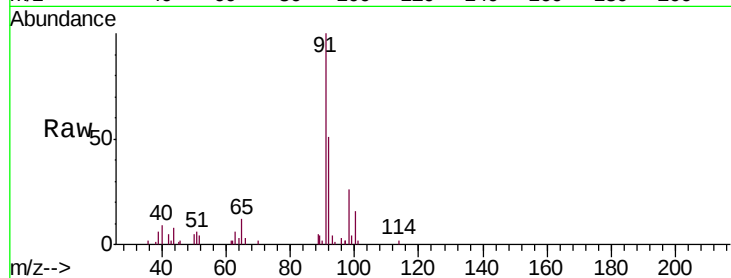
E3YF3

Tgt Ion: 91 Resp: 13008

Ion Ratio Lower Upper

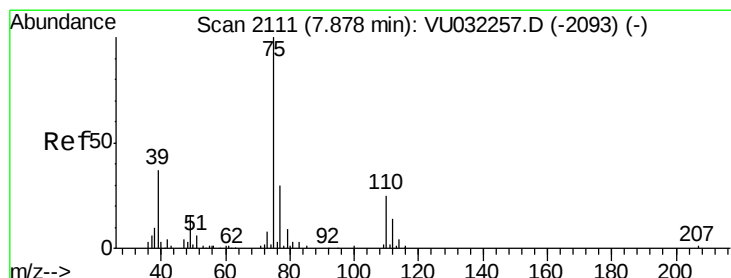
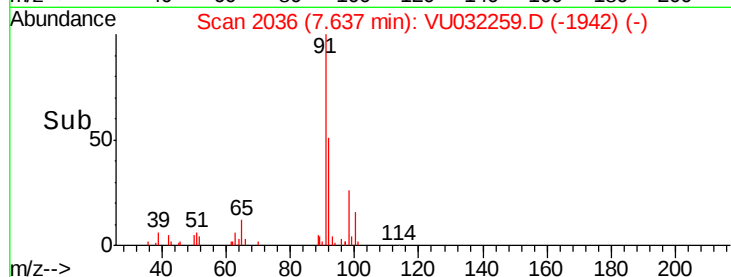
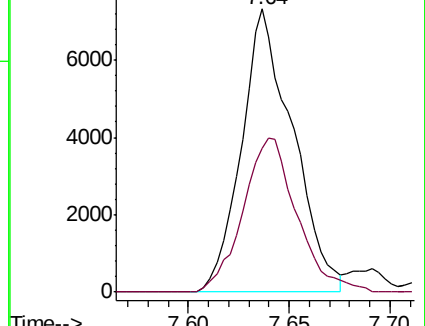
91 100

92 51.0 38.5 71.5



Abundance Ion 91.15 (90.85 to 91.85): VU032257.D (-2021) (-)

Ion 92.15 (91.85 to 92.85): VU032259.D (-1942) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.140 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU032259.D

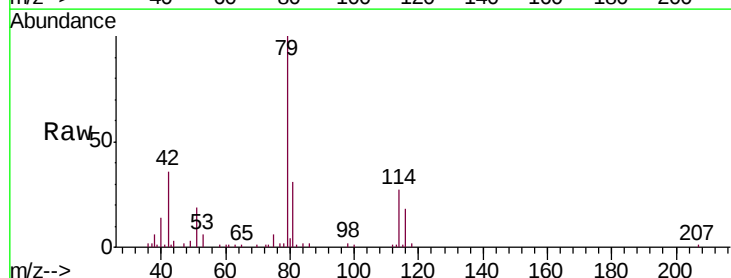
Acq: 23 May 2019 09:50

Tgt Ion: 75 Resp: 1912

Ion Ratio Lower Upper

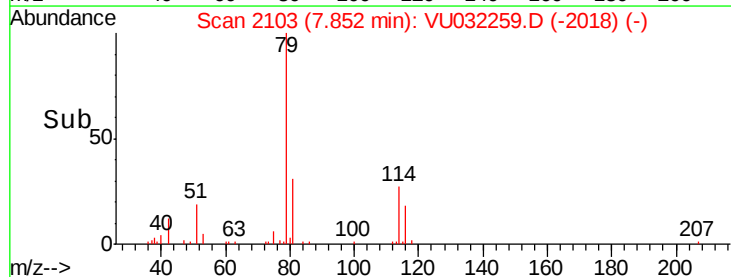
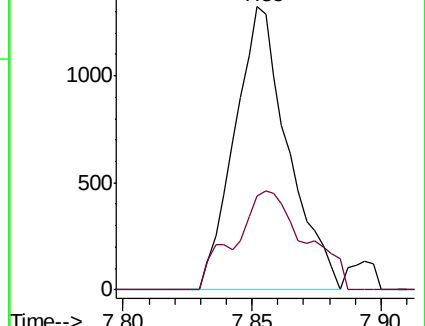
75 100

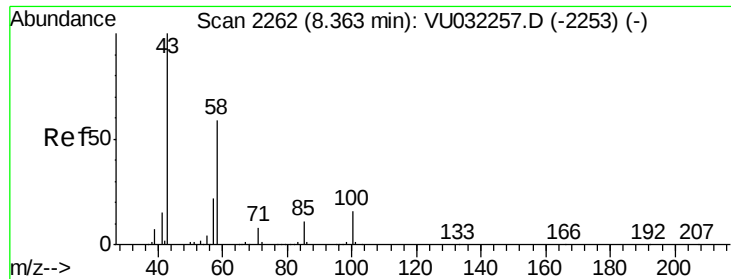
77 33.1 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VU032257.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU032259.D (-2188) (-)

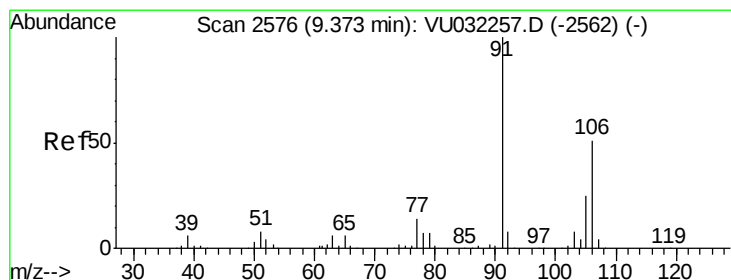
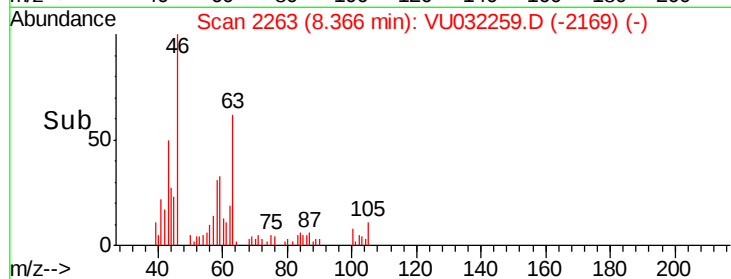
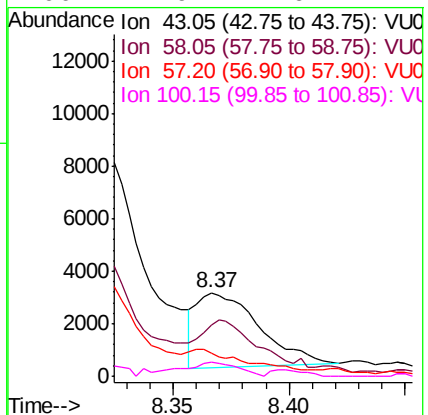
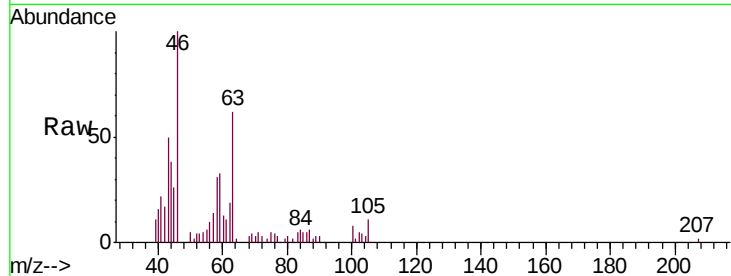




#48  
2-Hexanone  
Concen: 1.133 ug/L  
RT: 8.37 min Scan# 2263  
Delta R.T. 0.00 min  
Lab File: VU032259.D  
Acq: 23 May 2019 09:50

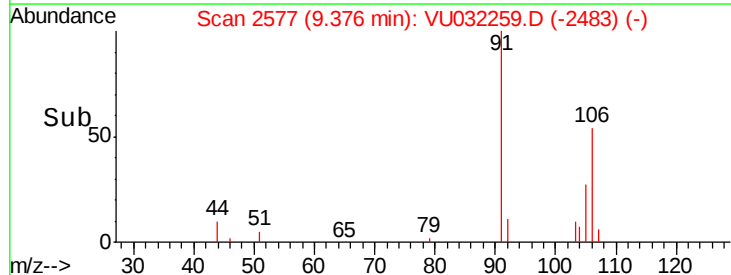
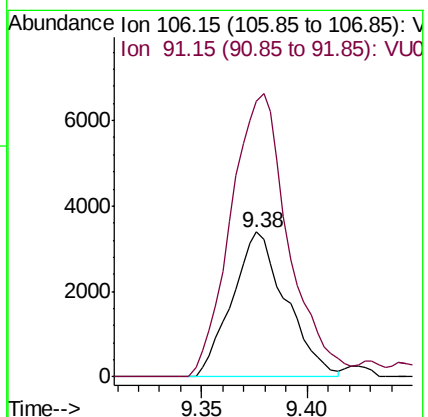
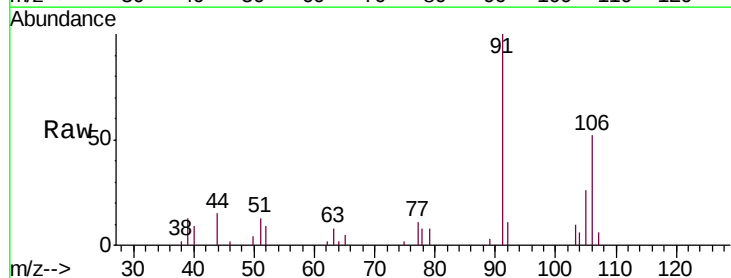
Instrument :  
MSVOA\_U  
ClientSampleId :  
E3YF3

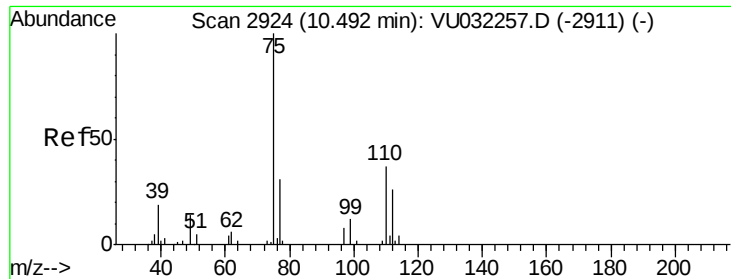
Tgt Ion: 43 Resp: 5351  
Ion Ratio Lower Upper  
43 100  
58 60.5 49.7 74.5  
57 26.0 17.1 25.7#  
100 17.9 11.6 17.4#



#53  
m,p-Xylene  
Concen: 0.299 ug/L  
RT: 9.38 min Scan# 2577  
Delta R.T. 0.00 min  
Lab File: VU032259.D  
Acq: 23 May 2019 09:50

Tgt Ion: 106 Resp: 6019  
Ion Ratio Lower Upper  
106 100  
91 190.8 143.9 267.2





#59

1,2,3-Trichloropropane

Concen: 2.058 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU032259.D

Acq: 23 May 2019 09:50

Instrument :

MSVOA\_U

ClientSampleId :

E3YF3

Tgt Ion: 75 Resp: 16322

Ion Ratio Lower Upper

75 100

77 34.3 28.2 42.4

