Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022819\

Quantitation Report (Not Reviewed)

Instrument : MSVOA_U
ClientSampleId : VBLK44

Data File : VU029725.D
Acq On : 28 Feb 2019 10:03
Operator : JC/SP
Sample : VU0228WBL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 01 00:21:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 00:18:18 2019
Response via : Initial Calibration

```
 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
-------------------------------------------------------------------------------
   1) 1,4-Difluorobenzene          5.88  114   255521     5.00 ug/L    0.00
  28) Chlorobenzene-d5             9.09  117   242759     5.00 ug/L    0.00
  60) 1,4-Dichlorobenzene-d4      11.48  152   122800     5.00 ug/L    0.00

 System Monitoring Compounds
   4) Vinyl Chloride-d3            1.40   65    79444     4.76 ug/L    0.00
   Spiked Amount      5.000   Range  40 - 130    Recovery    =   95.20%
   7) Chloroethane-d5              1.68   69    76815     4.89 ug/L    0.00
   Spiked Amount      5.000   Range  65 - 130    Recovery    =   97.80%
  11) 1,1-Dichloroethene-d2        2.27   63   121044     3.38 ug/L    0.00
   Spiked Amount      5.000   Range  60 - 125    Recovery    =   67.60%
  20) 2-Butanone-d5                4.20   46   222528    58.98 ug/L    0.00
   Spiked Amount     50.000   Range  40 - 130    Recovery    =  117.96%
  24) Chloroform-d                 4.64   84   160966     5.47 ug/L    0.00
   Spiked Amount      5.000   Range  70 - 125    Recovery    =  109.40%
  26) 1,2-Dichloroethane-d4        5.31   65    83341     5.25 ug/L    0.00
   Spiked Amount      5.000   Range  70 - 130    Recovery    =  105.00%
  32) Benzene-d6                   5.33   84   337916     5.42 ug/L    0.00
   Spiked Amount      5.000   Range  70 - 125    Recovery    =  108.40%
  36) 1,2-Dichloropropane-d6       6.33   67   104475     5.76 ug/L    0.00
   Spiked Amount      5.000   Range  60 - 140    Recovery    =  115.20%
  41) Toluene-d8                   7.56   98   304785     4.99 ug/L    0.00
   Spiked Amount      5.000   Range  70 - 130    Recovery    =   99.80%
  43) trans-1,3-Dichloropropene-   7.85   79    40179     5.40 ug/L    0.00
   Spiked Amount      5.000   Range  55 - 130    Recovery    =  108.00%
  46) 2-Hexanone-d5                8.31   63   215976    59.19 ug/L    0.00
   Spiked Amount     50.000   Range  45 - 130    Recovery    =  118.38%
  57) 1,1,2,2-Tetrachloroethane-  10.43   84    88536     5.44 ug/L    0.00
   Spiked Amount      5.000   Range  65 - 120    Recovery    =  108.80%
  64) 1,2-Dichlorobenzene-d4      11.86  152   127191     5.27 ug/L    0.00
   Spiked Amount      5.000   Range  80 - 120    Recovery    =  105.40%

 Target Compounds                                                  Qvalue
   6) Bromomethane                 1.63   94     2359     0.196 ug/L      97
  10) 1,1,2-Trichloro-1,2,2-trif   2.27  101     1220     0.061 ug/L #    17
  12) 1,1-Dichloroethene           2.27   96     1357     0.072 ug/L #     1
  25) Chloroform                   4.67   83     2704     0.084 ug/L      95
  35) Methylcyclohexane            6.33   83    24635     0.848 ug/L #    21
  37) 1,2-Dichloropropane          6.32   63    10990     0.680 ug/L #    86
  39) cis-1,3-Dichloropropene      7.22   75     2601     0.110 ug/L #    63
  48) 2-Hexanone                   8.37   43     2965     0.446 ug/L #    53
  59) 1,2,3-Trichloropropane      11.48   75    13315     1.234 ug/L      94
  63) 1,4-Dichlorobenzene         11.51  146     4587     0.116 ug/L      96
  65) 1,2-Dichlorobenzene         11.88  146     3612     0.096 ug/L #    84
  67) 1,3,5-Trichlorobenzene      12.89  180     2187     0.070 ug/L #    85
  68) 1,2,4-trichlorobenzene      13.51  180     3300     0.124 ug/L #    94
  69) Naphthalene                 13.76  128     5634     0.137 ug/L #    81
  70) 1,2,3-Trichlorobenzene      14.00  180     3019     0.122 ug/L #    96
-------------------------------------------------------------------------------
```

```
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022819\
                            Quantitation Report    (Not Reviewed)
Data File : VU029725.D
Acq On    : 28 Feb 2019  10:03
Operator  : JC/SP
Sample    : VU0228WBL01
Misc      : 25.0mL/MSVOA_U/WATER
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: Mar 01 00:21:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title  : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 00:18:18 2019
Response via : Initial Calibration

 Internal Standards                R.T. QIon  Response  Conc Units Dev(Min)
 ---------------------------------------------------------------------------
 (#) = qualifier out of range (m) = manual integration (+) = signals summed
```

Instrument :
MSVOA_U
ClientSampleId :
VBLK44

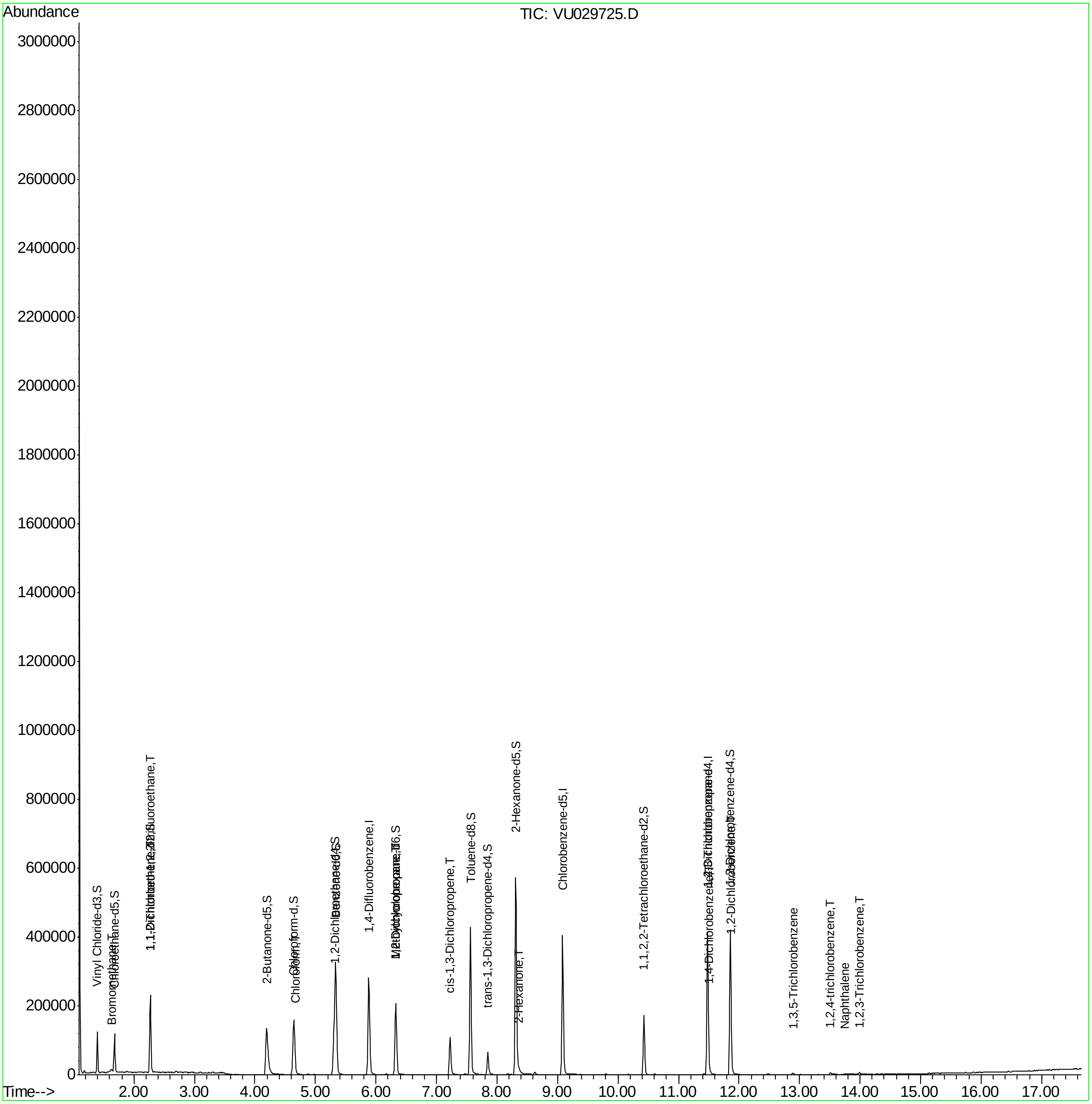
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022819\

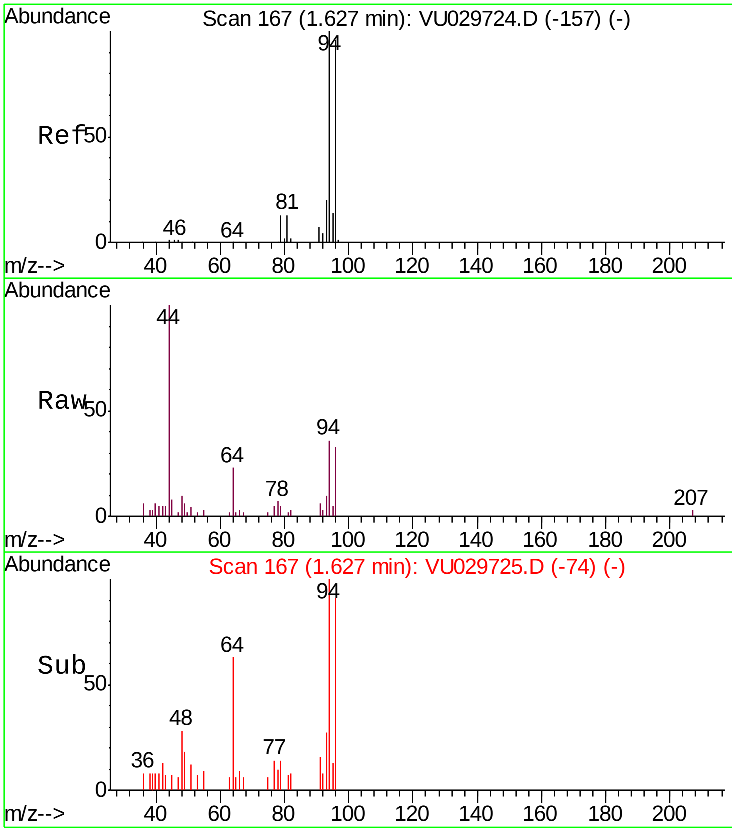
Quantitation Report (Not Reviewed)

Data File : VU029725.D
Acq On : 28 Feb 2019 10:03
Operator : JC/SP
Sample : VU0228WBL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK44

Quant Time: Mar 01 00:21:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 00:18:18 2019
Response via : Initial Calibration



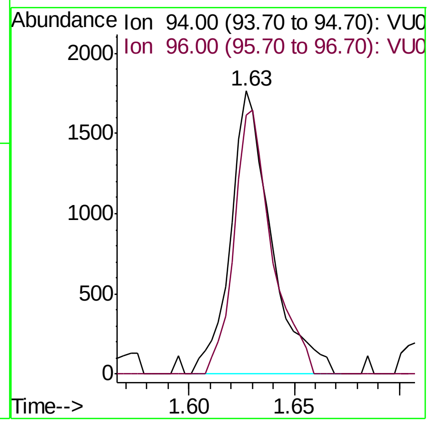


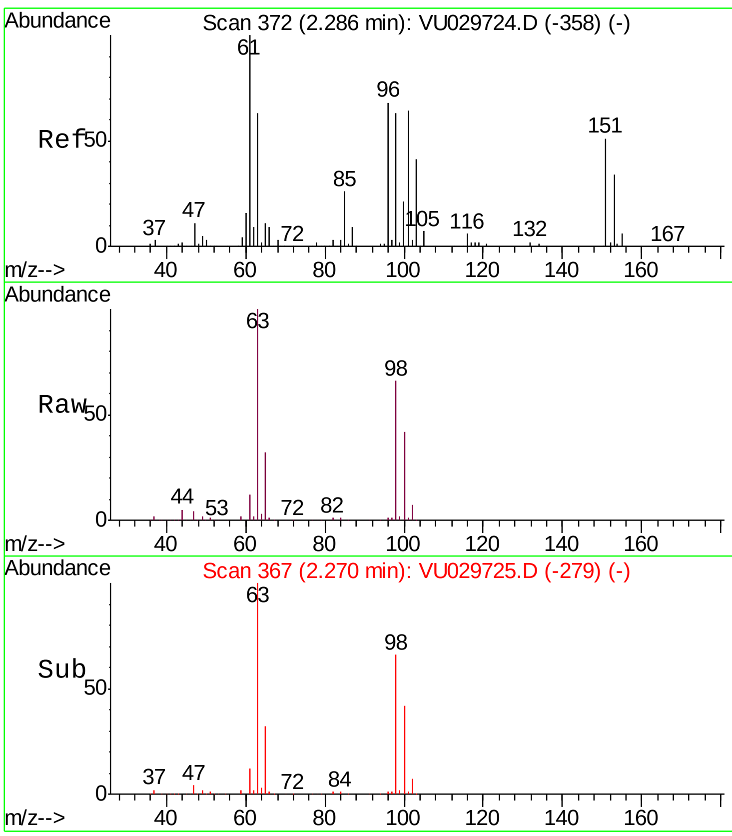
#6
Bromomethane
Concen: 0.196 ug/L
RT: 1.63 min Scan# 167
Delta R.T. 0.00 min
Lab File: VU029725.D
Acq: 28 Feb 2019 10:03

Instrument :
MSVOA_U
ClientSampleId :
VBLK44

Tgt Ion: 94 Resp: 2359

Ion	Ratio	Lower	Upper
94	100		
96	91.4	66.0	122.6

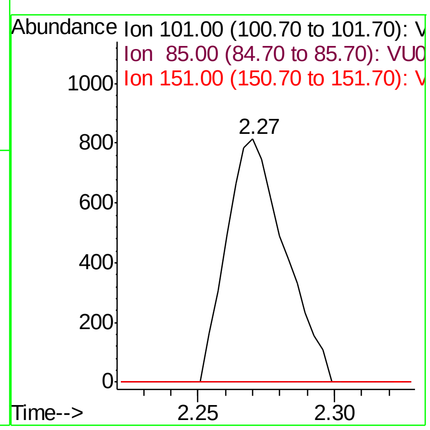


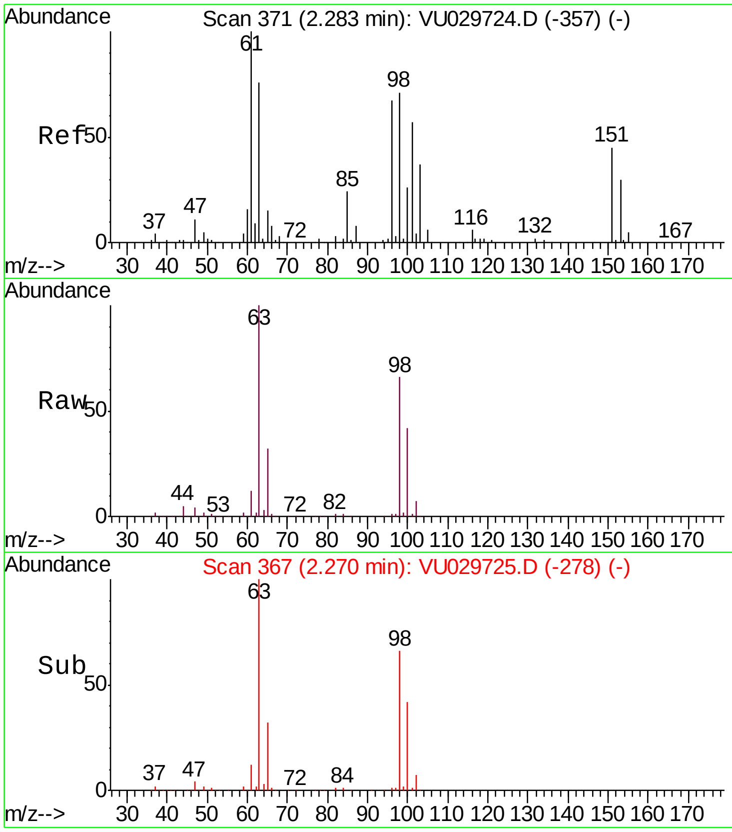


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.061 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.02 min
Lab File: VU029725.D
Acq: 28 Feb 2019 10:03

Tgt Ion:101 Resp: 1220

Ion	Ratio	Lower	Upper
101	100		
85	0.0	32.8	49.2#
151	0.0	65.9	98.9#



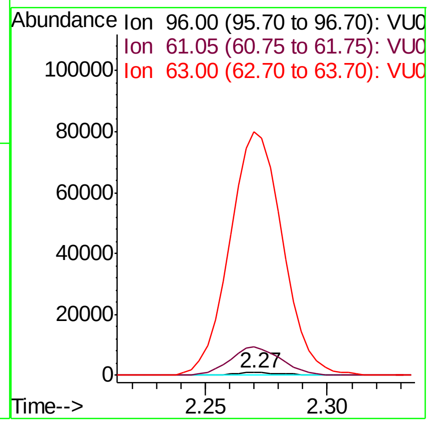


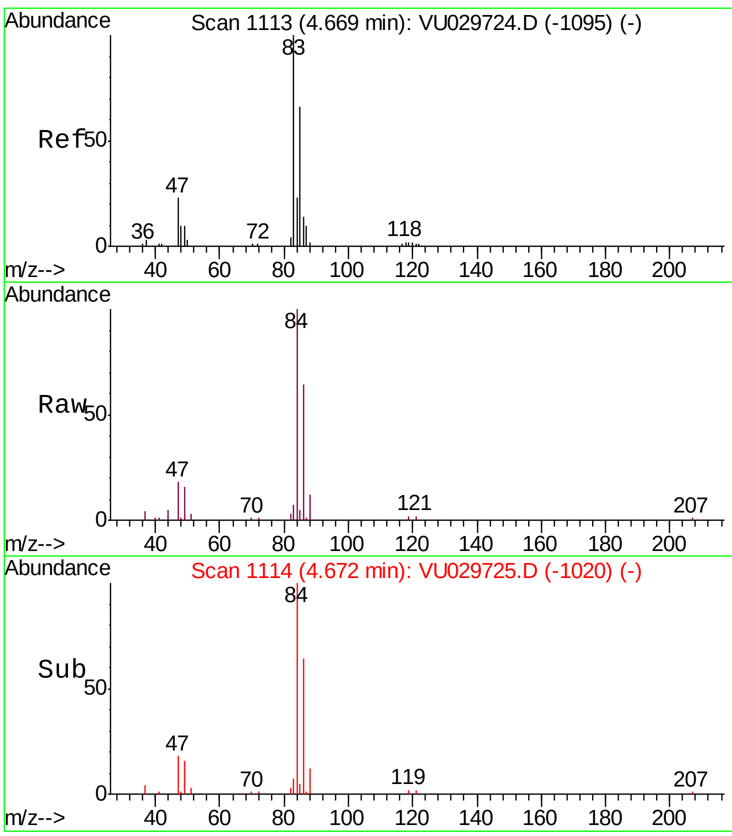
#12
1,1-Dichloroethene
Concen: 0.072 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.01 min
Lab File: VU029725.D
Acq: 28 Feb 2019 10:03

Instrument : MSVOA_U
ClientSampleId : VBLK44

Tgt Ion: 96 Resp: 1357

Ion	Ratio	Lower	Upper
96	100		
61	998.0	111.3	206.7#
63	8615.5	88.5	164.3#

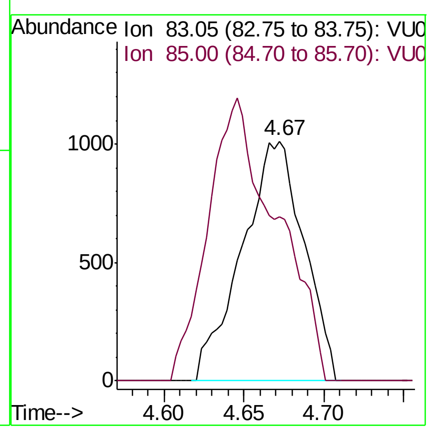


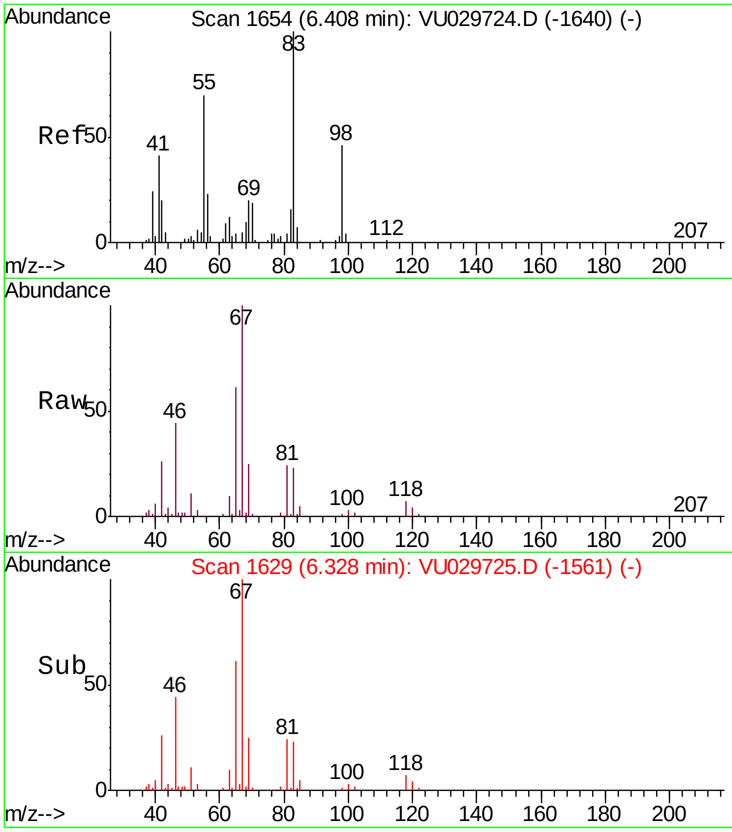


#25
Chloroform
Concen: 0.084 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029725.D
Acq: 28 Feb 2019 10:03

Tgt Ion: 83 Resp: 2704

Ion	Ratio	Lower	Upper
83	100		
85	68.7	45.6	84.6



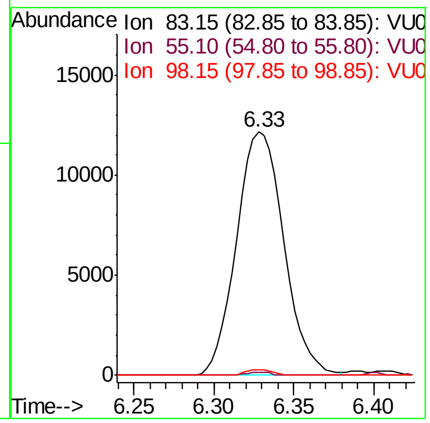


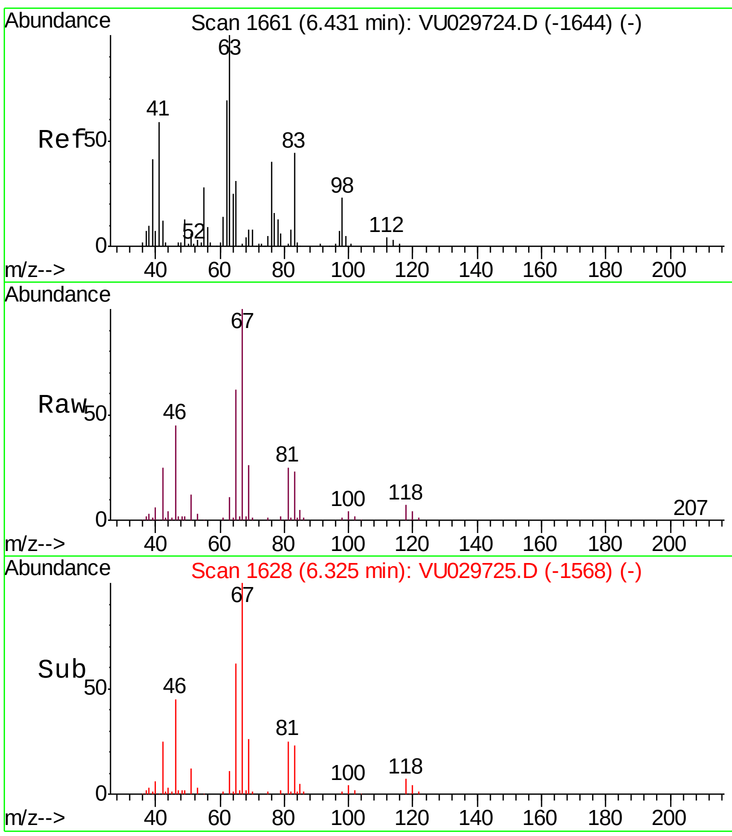
#35
Methylcyclohexane
Concen: 0.848 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU029725.D
Acq: 28 Feb 2019 10:03

Instrument :
MSVOA_U
ClientSampleId :
VBLK44

Tgt Ion: 83 Resp: 24635

Ion	Ratio	Lower	Upper
83	100		
55	0.6	56.5	84.7#
98	1.3	39.4	59.2#

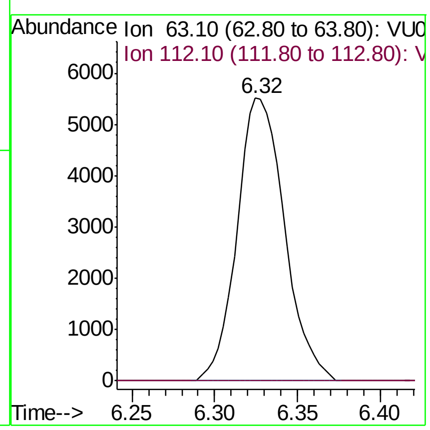


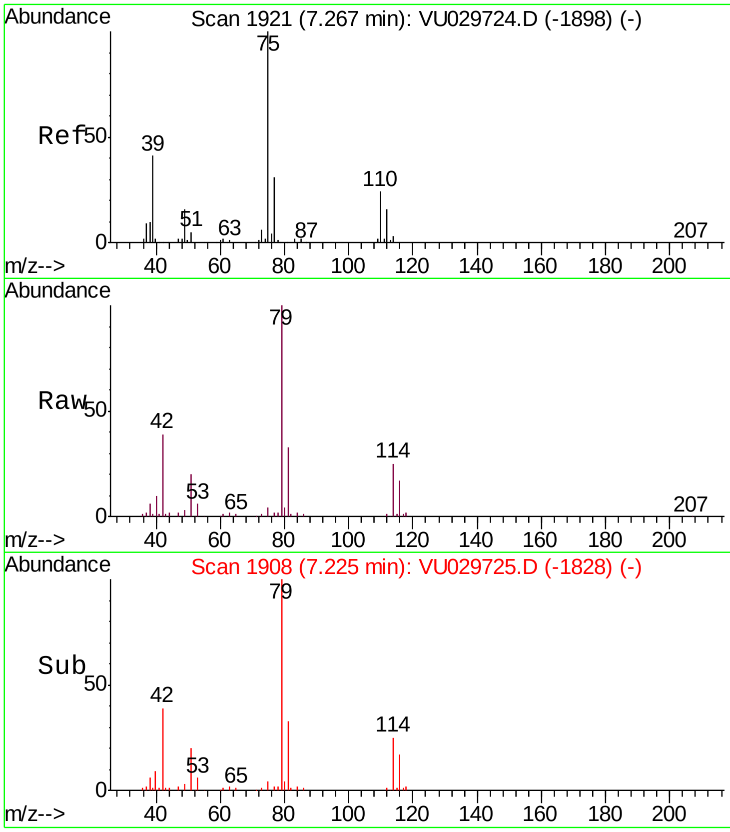


#37
1,2-Dichloropropane
Concen: 0.680 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.11 min
Lab File: VU029725.D
Acq: 28 Feb 2019 10:03

Tgt Ion: 63 Resp: 10990

Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.6	5.4#



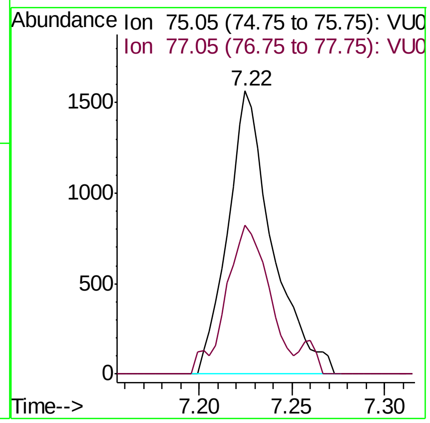


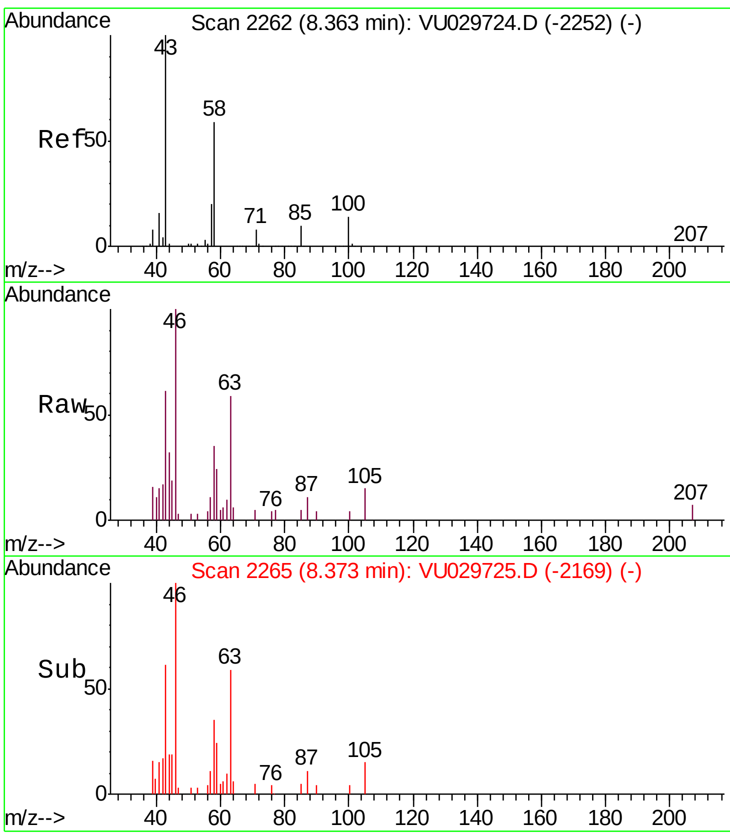
#39
cis-1,3-Dichloropropene
Concen: 0.110 ug/L
RT: 7.22 min Scan# 1908
Delta R.T. -0.04 min
Lab File: VU029725.D
Acq: 28 Feb 2019 10:03

Instrument :
MSVOA_U
ClientSampleId :
VBLK44

Tgt Ion: 75 Resp: 2601

Ion	Ratio	Lower	Upper
75	100		
77	52.7	22.3	41.5#

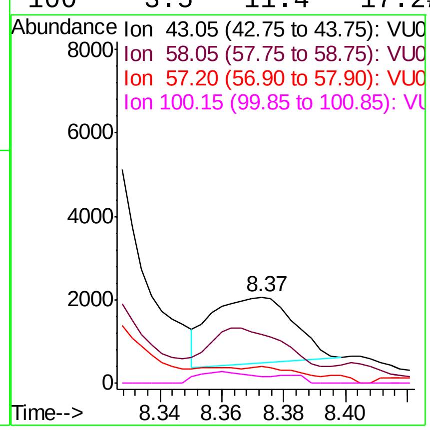


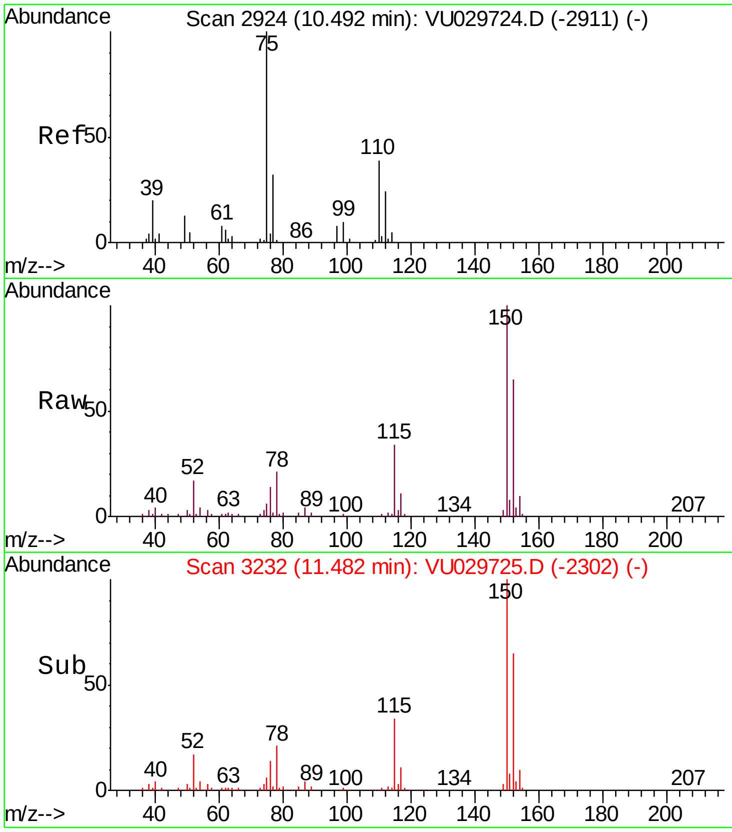


#48
2-Hexanone
Concen: 0.446 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU029725.D
Acq: 28 Feb 2019 10:03

Tgt Ion: 43 Resp: 2965

Ion	Ratio	Lower	Upper
43	100		
58	18.9	46.6	69.8#
57	0.0	15.9	23.9#
100	3.5	11.4	17.2#



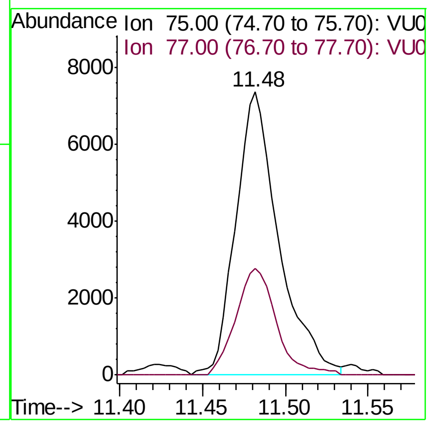


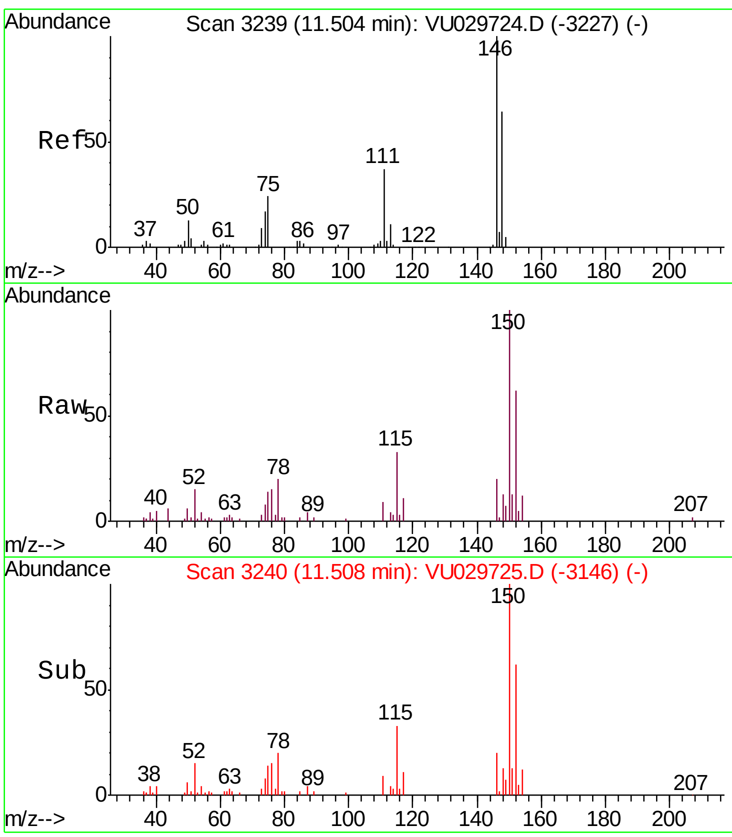
#59
1,2,3-Trichloropropane
Concen: 1.234 ug/L
RT: 11.48 min   Scan# 3232
Delta R.T.   0.99 min
Lab File: VU029725.D
Acq: 28 Feb 2019   10:03

Instrument :
MSVOA_U
ClientSampleId :
VBLK44

Tgt Ion: 75 Resp: 13315

Ion	Ratio	Lower	Upper
75	100		
77	35.6	25.6	38.4

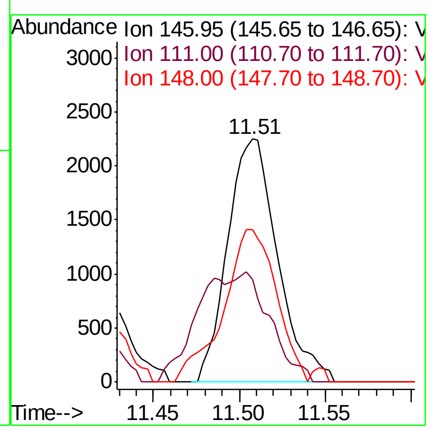


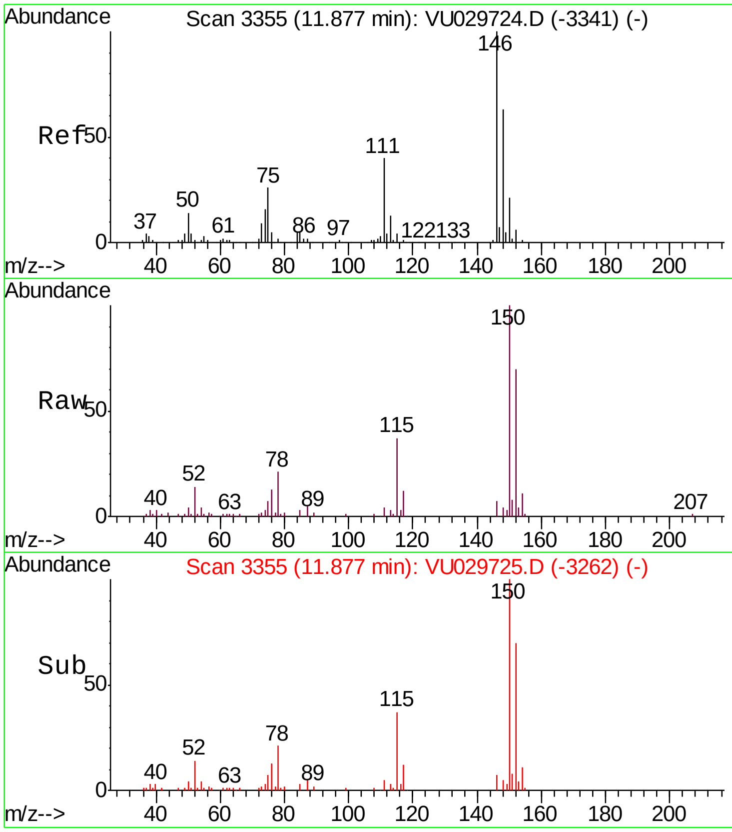


#63
1,4-Dichlorobenzene
Concen: 0.116 ug/L
RT: 11.51 min   Scan# 3240
Delta R.T.   0.00 min
Lab File: VU029725.D
Acq: 28 Feb 2019   10:03

Tgt Ion:146 Resp: 4587

Ion	Ratio	Lower	Upper
146	100		
111	42.4	25.4	47.2
148	62.8	43.7	81.1



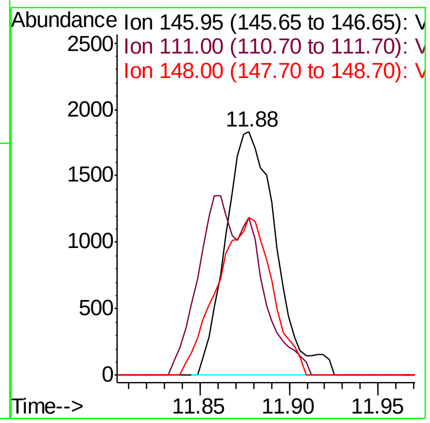


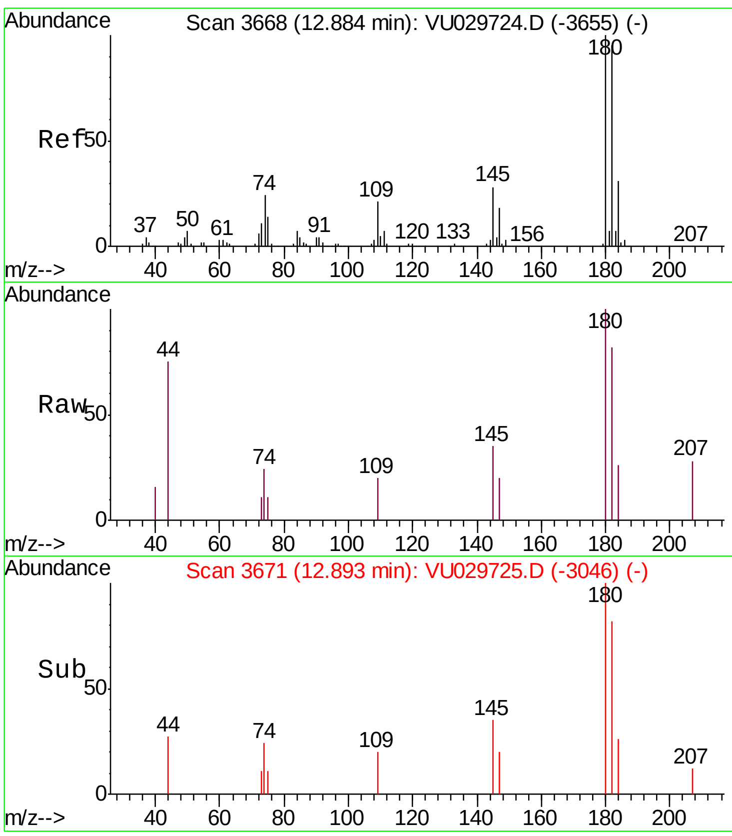
#65
1,2-Dichlorobenzene
Concen: 0.096 ug/L
RT: 11.88 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VU029725.D
Acq: 28 Feb 2019 10:03

Instrument :
MSVOA_U
ClientSampleId :
VBLK44

Tgt Ion:146 Resp: 3612

Ion	Ratio	Lower	Upper
146	100		
111	64.9	32.2	48.2#
148	64.7	52.2	78.4

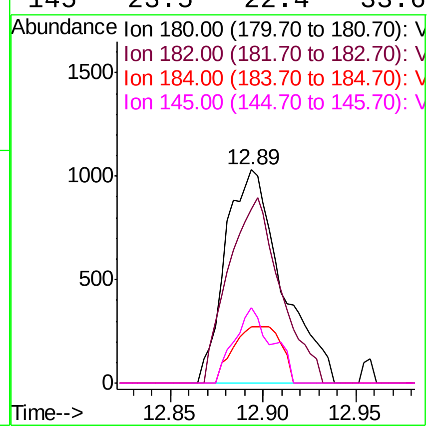


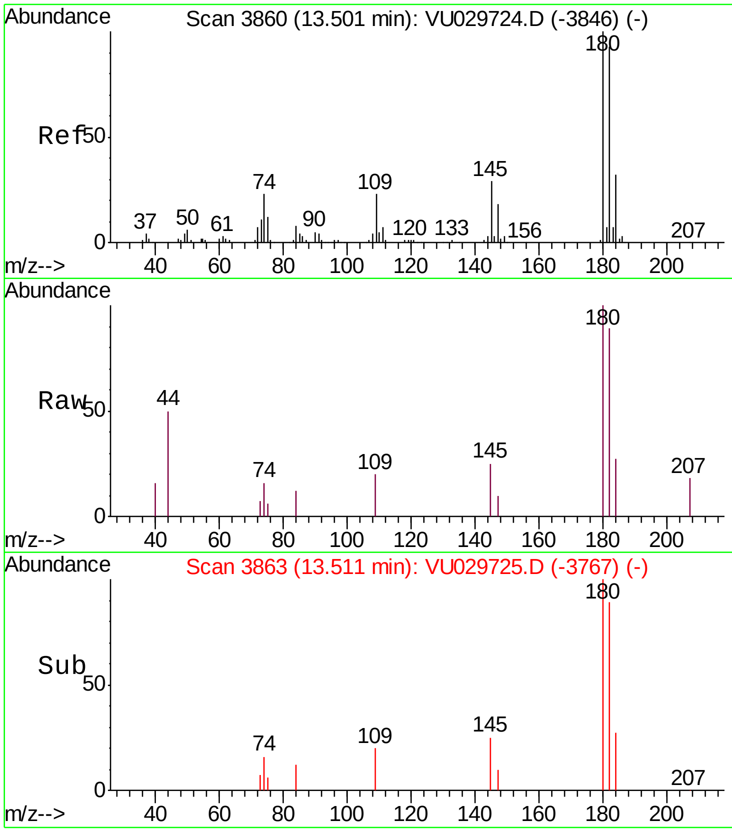


#67
1,3,5-Trichlorobenzene
Concen: 0.070 ug/L
RT: 12.89 min Scan# 3671
Delta R.T. 0.01 min
Lab File: VU029725.D
Acq: 28 Feb 2019 10:03

Tgt Ion:180 Resp: 2187

Ion	Ratio	Lower	Upper
180	100		
182	79.7	77.0	115.6
184	22.3	25.0	37.4#
145	23.5	22.4	33.6



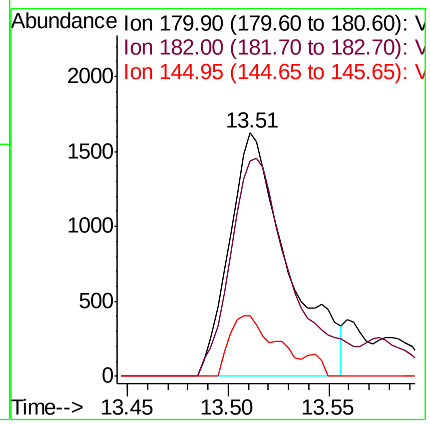


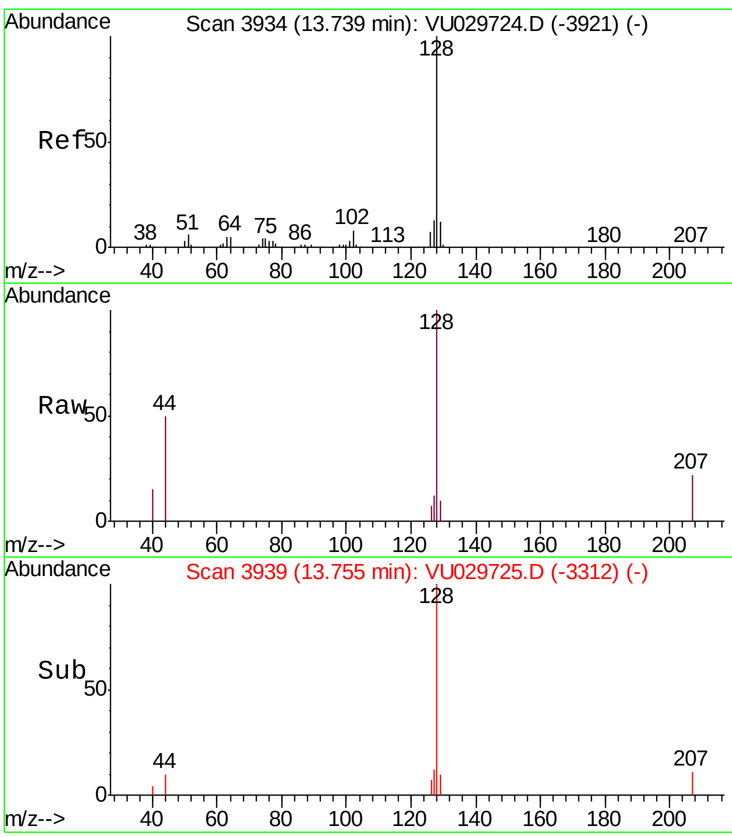
#68
1,2,4-trichlorobenzene
Concen: 0.124 ug/L
RT: 13.51 min Scan# 3863
Delta R.T. 0.01 min
Lab File: VU029725.D
Acq: 28 Feb 2019 10:03

Instrument :
MSVOA_U
ClientSampleId :
VBLK44

Tgt Ion:180 Resp: 3300

Ion	Ratio	Lower	Upper
180	100		
182	92.1	75.7	113.5
145	19.8	22.4	33.6#

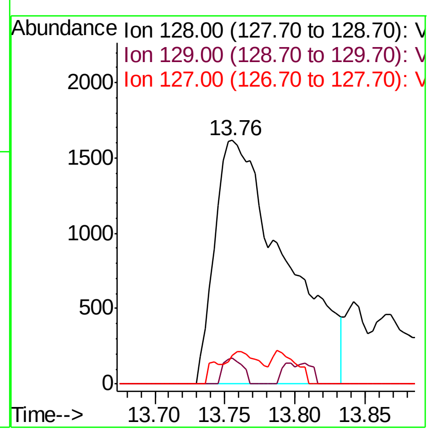


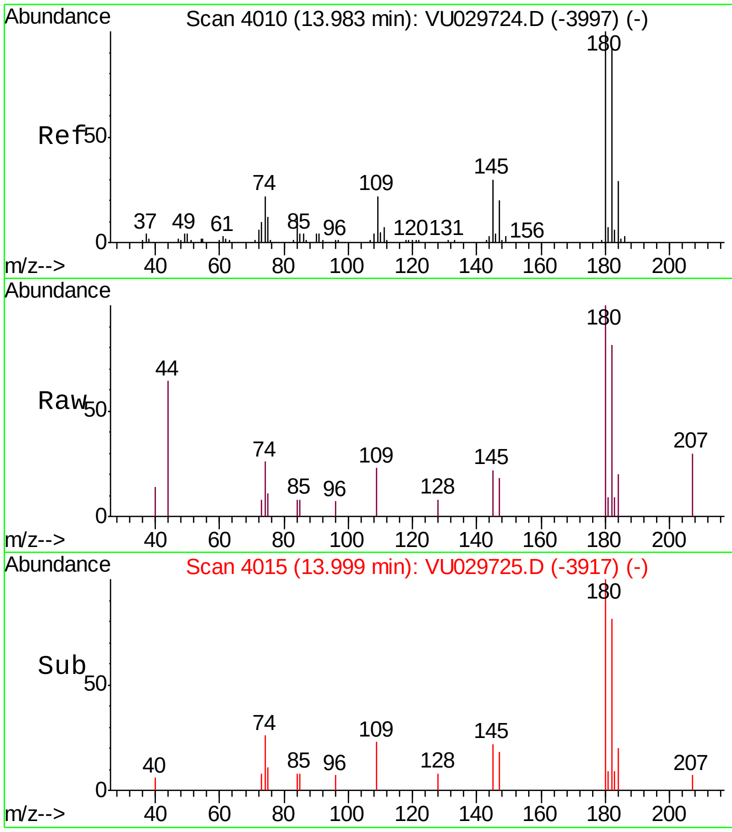


#69
Naphthalene
Concen: 0.137 ug/L
RT: 13.76 min Scan# 3939
Delta R.T. 0.02 min
Lab File: VU029725.D
Acq: 28 Feb 2019 10:03

Tgt Ion:128 Resp: 5634

Ion	Ratio	Lower	Upper
128	100		
129	2.9	8.7	13.1#
127	5.8	10.0	15.0#





#70
1,2,3-Trichlorobenzene
Concen: 0.122 ug/L
RT: 14.00 min Scan# 4015
Delta R.T. 0.02 min
Lab File: VU029725.D
Acq: 28 Feb 2019 10:03

Instrument :
MSVOA_U
ClientSampleId :
VBLK44

Tgt Ion:180 Resp: 3019

Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.0	115.4
145	23.2	24.2	36.2#