

Data File : VV010786.D
Acq On : 10 May 2019 00:59
Operator : SY/MD
Sample : K2693-13RE
Misc : 3.85G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFH64RE

Quant Time: May 10 07:57:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Fri May 10 07:54:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	67825	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	59524	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	17430	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19745	18.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.96%
7) Chloroethane-d5	1.57	69	22556	26.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.04%
10) 1,1-Dichloroethene-d2	2.12	63	36424	15.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.76%
20) 2-Butanone-d5	3.93	46	14442	45.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.36%
24) Chloroform-d	4.40	84	52046	28.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.60%
26) 1,2-Dichloroethane-d4	5.08	65	32774	28.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.52%
29) Benzene-d6	5.10	84	90361	28.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.36%
33) 1,2-Dichloropropane-d6	6.12	67	32925	32.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	131.92%#
37) Toluene-d8	7.36	98	75081	25.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.08%
38) trans-1,3-Dichloropropene-	7.66	79	10516	23.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.44%
39) 2-Hexanone-d5	8.13	63	10030	48.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.02%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	23967	25.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	17570	26.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.12%

Target Compounds

					Qvalue
13) Acetone	2.19	43	2535	5.179 ug/L	98
16) Methylene chloride	2.53	84	2693	2.568 ug/L	94
35) Trichloroethene	5.66	95	2019	2.063 ug/L #	7
36) Methylcyclohexane	6.12	83	7843	5.000 ug/L #	17
40) 1,2-Dichloropropane	6.12	63	4088	4.398 ug/L #	87
42) cis-1,3-Dichloropropene	7.03	75	852	0.579 ug/L #	61
59) 1,2,3-Trichloropropene	11.30	75	2729	3.495 ug/L #	88

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

Data File : VV010786.D

Acq On : 10 May 2019 00:59

Operator : SY/MD

Sample : K2693-13RE

Misc : 3.85G/10ML/MSVOA_V/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
BFH64RE

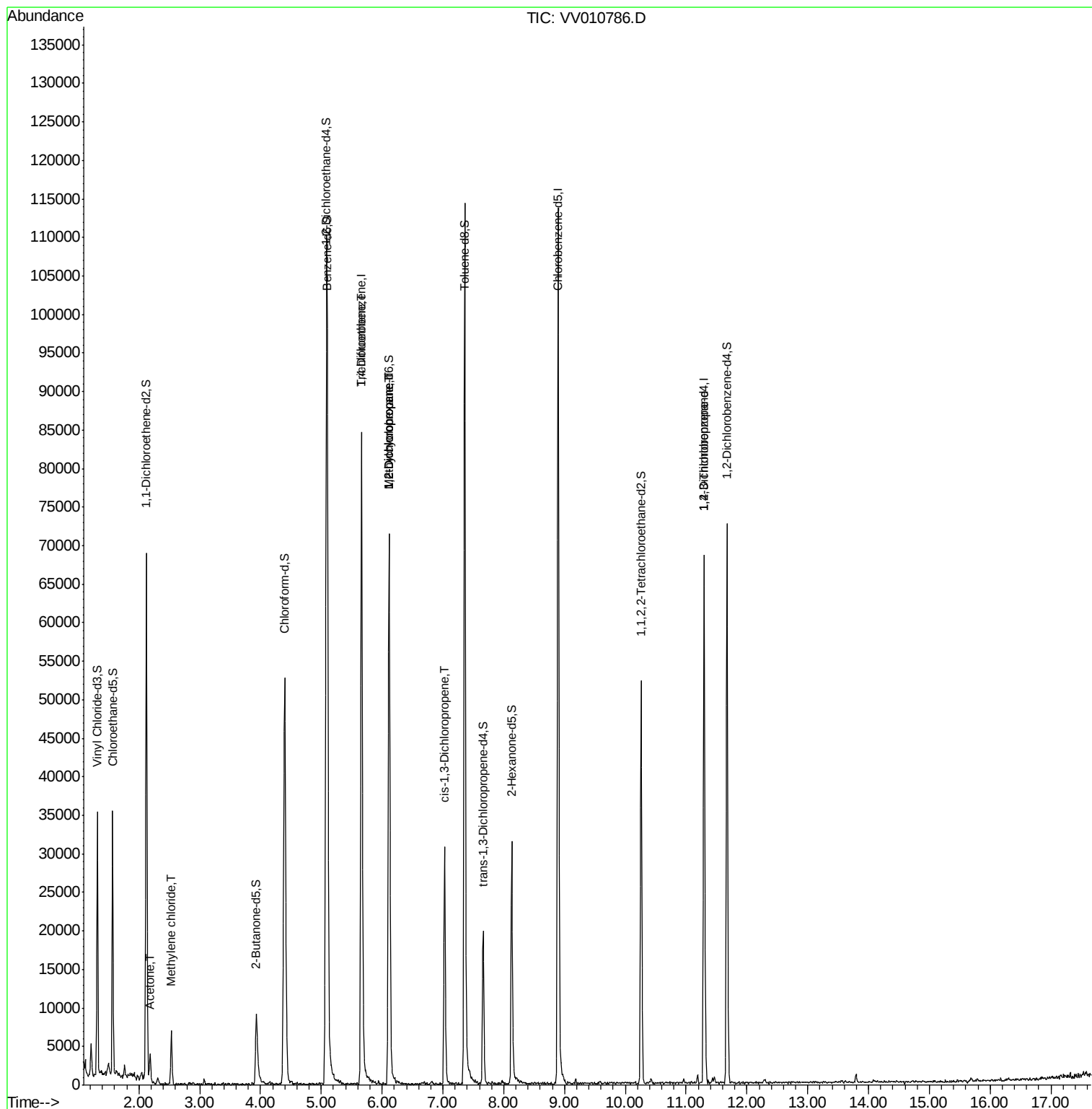
Quant Time: May 10 07:57:53 2019

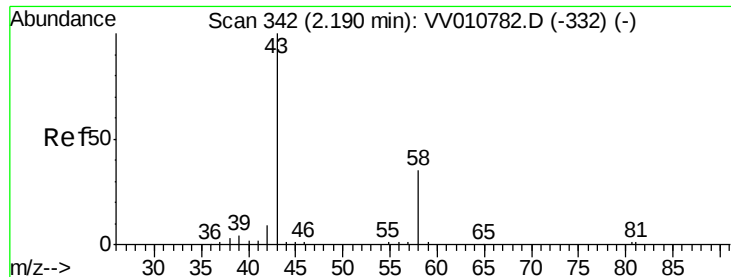
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM050719S.M

Quant Title : VOC Analysis

QLast Update : Fri May 10 07:54:34 2019

Response via : Initial Calibration





#13

Acetone

Concen: 5.179 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV010786.D

Acq: 10 May 2019 00:59

Instrument :

MSVOA_V

ClientSampleId :

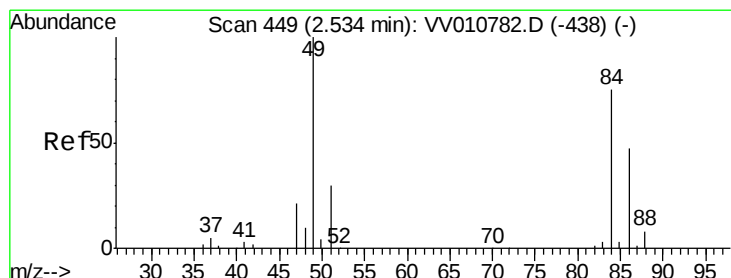
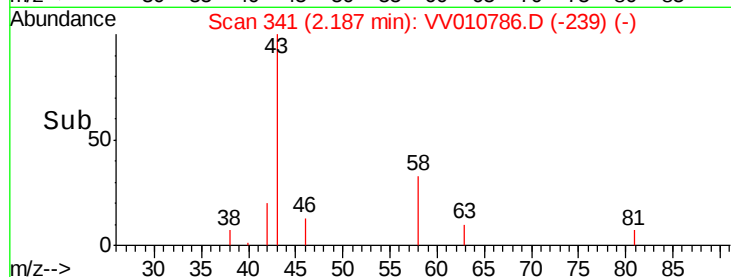
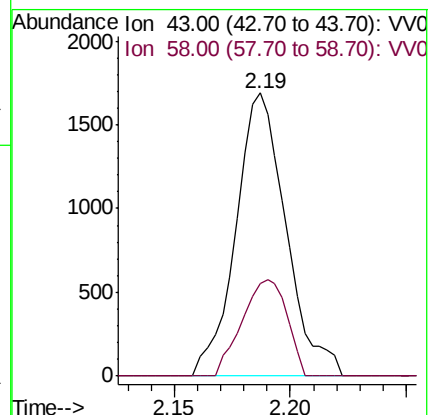
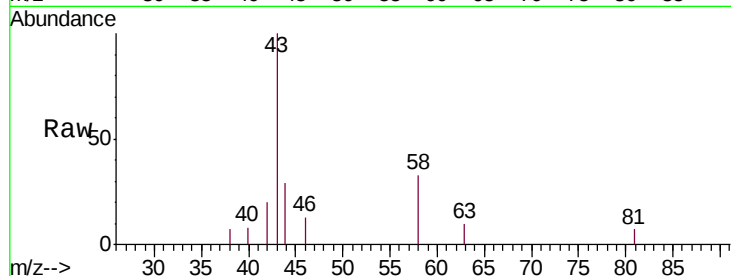
BFH64RE

Tgt Ion: 43 Resp: 2535

Ion Ratio Lower Upper

43 100

58 30.5 0.0 63.4



#16

Methylene chloride

Concen: 2.568 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV010786.D

Acq: 10 May 2019 00:59

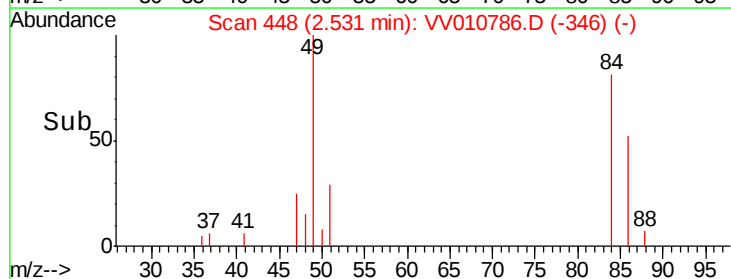
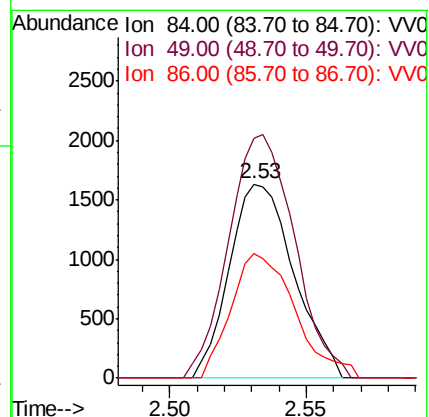
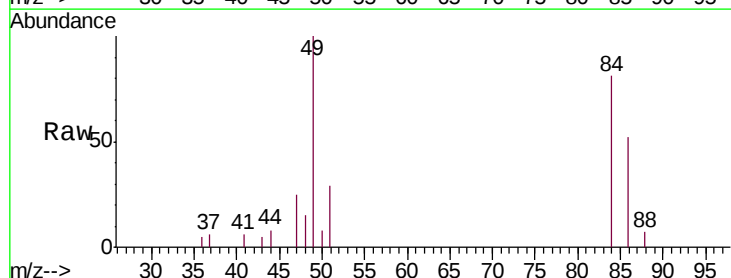
Tgt Ion: 84 Resp: 2693

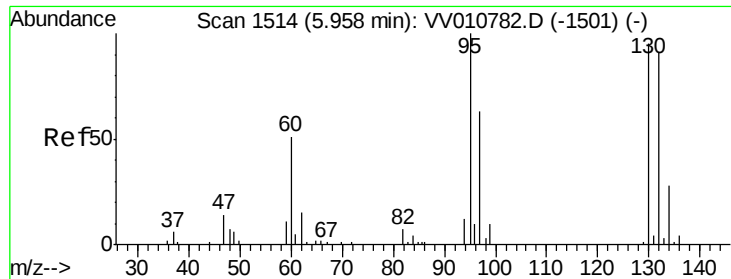
Ion Ratio Lower Upper

84 100

49 123.3 92.9 172.5

86 64.6 46.5 86.5

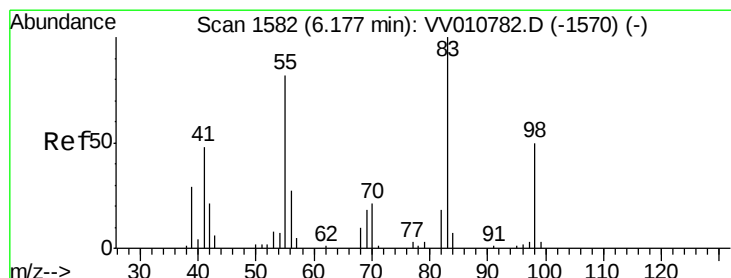
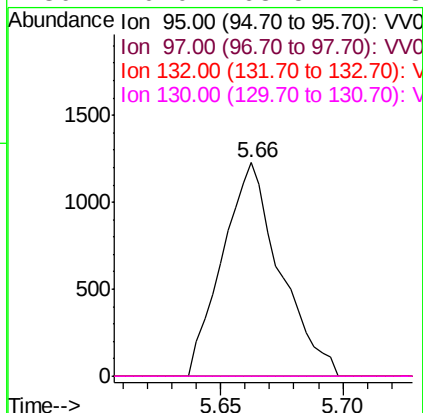
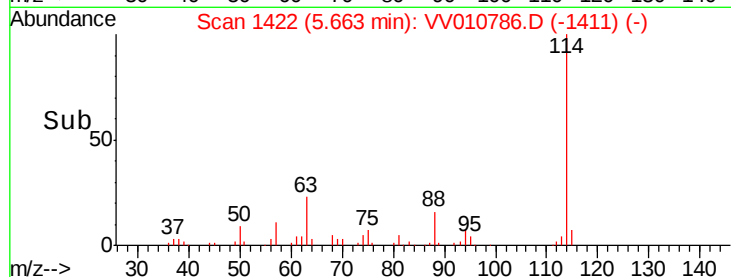
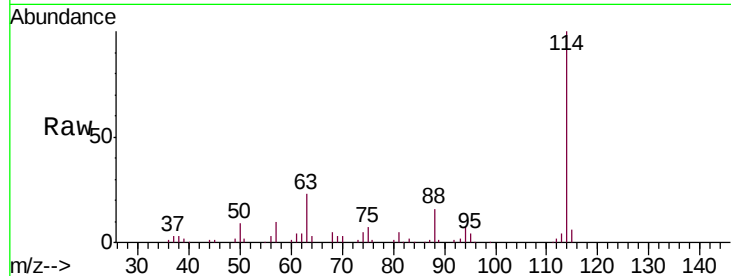




#35
 Trichloroethene
 Concen: 2.063 ug/L
 RT: 5.66 min Scan# 1422
 Delta R.T. -0.30 min
 Lab File: VV010786.D
 Acq: 10 May 2019 00:59

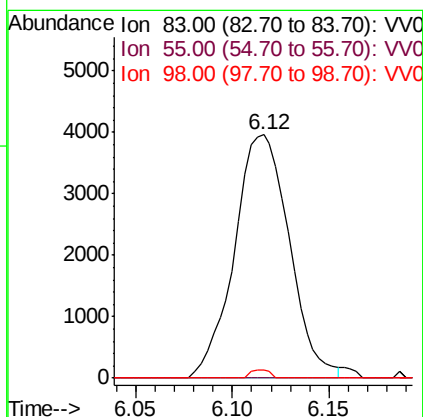
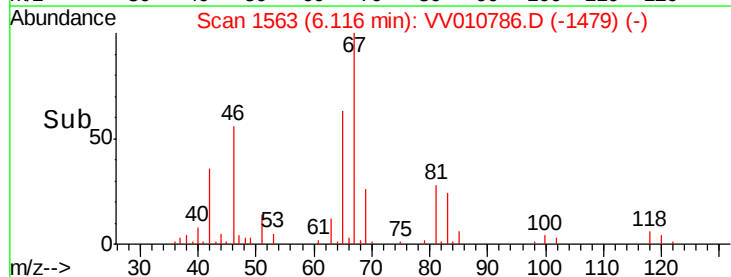
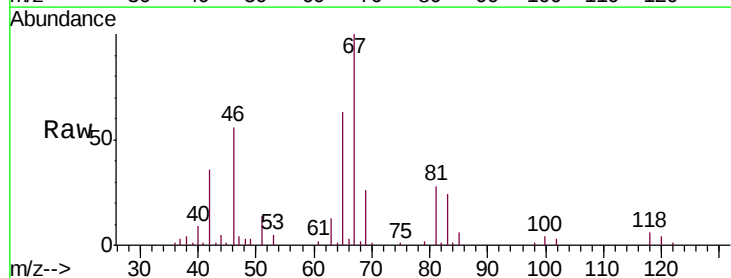
Instrument :
 MSVOA_V
 ClientSampleId :
 BFH64RE

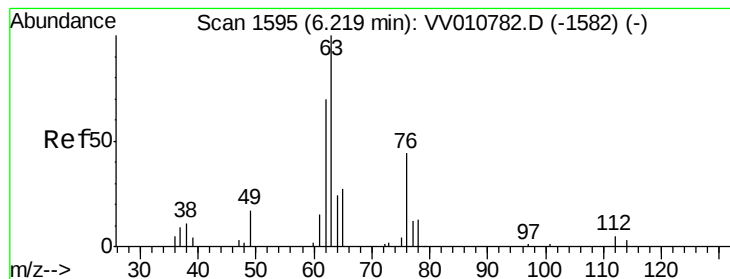
Tgt Ion: 95 Resp: 2019
 Ion Ratio Lower Upper
 95 100
 97 0.0 44.3 82.3#
 132 0.0 62.4 115.8#
 130 0.0 68.5 127.3#



#36
 Methylcyclohexane
 Concen: 5.000 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.06 min
 Lab File: VV010786.D
 Acq: 10 May 2019 00:59

Tgt Ion: 83 Resp: 7843
 Ion Ratio Lower Upper
 83 100
 55 0.0 64.6 96.8#
 98 1.2 37.7 56.5#





#40

1,2-Dichloropropane

Concen: 4.398 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV010786.D

Acq: 10 May 2019 00:59

Instrument :

MSVOA_V

ClientSampleId :

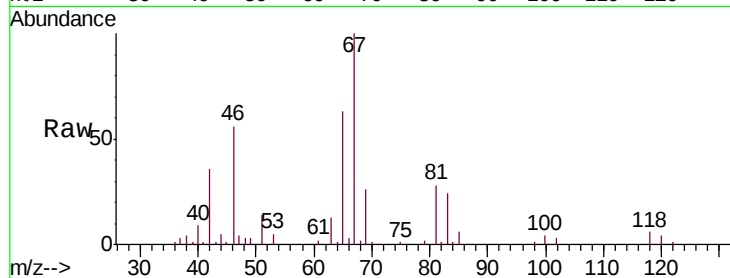
BFH64RE

Tgt Ion: 63 Resp: 4088

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VV010782.D (-1582) (-)

Ion 112.00 (111.70 to 112.70): VV010786.D (-1492) (-)

6.12

2000

1500

1000

500

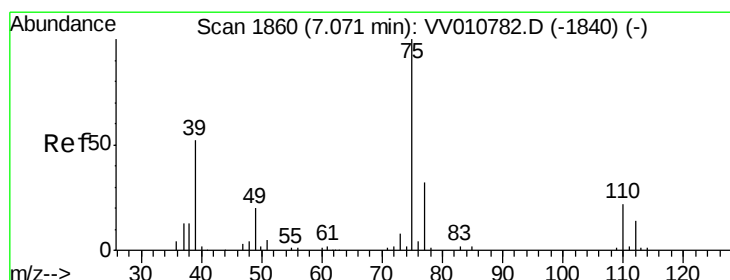
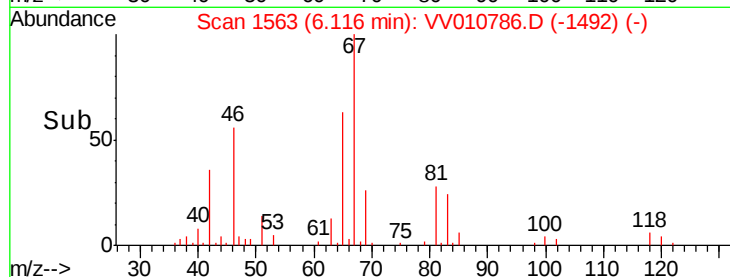
0

6.05

6.10

6.15

Time-->



#42

cis-1,3-Dichloropropene

Concen: 0.579 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV010786.D

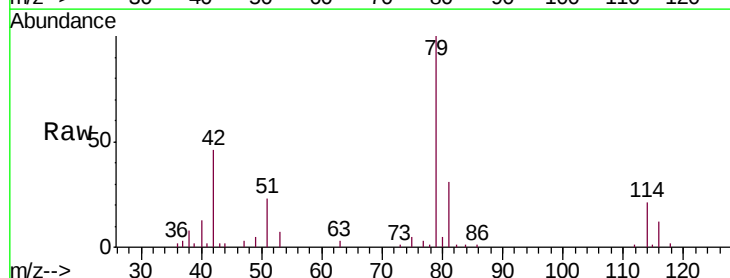
Acq: 10 May 2019 00:59

Tgt Ion: 75 Resp: 852

Ion Ratio Lower Upper

75 100

77 53.5 22.3 41.3#



Abundance Ion 75.00 (74.70 to 75.70): VV010782.D (-1840) (-)

Ion 77.00 (76.70 to 77.70): VV010786.D (-1757) (-)

7.03

500

400

300

200

100

0

6.98

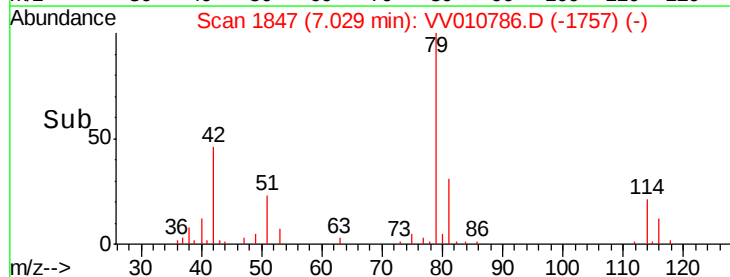
7.00

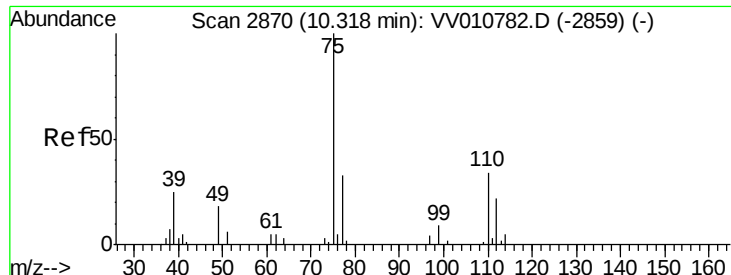
7.02

7.04

7.06

Time-->





#59

1,2,3-Trichloropropane

Concen: 3.495 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010786.D

Acq: 10 May 2019 00:59

Instrument :

MSVOA_V

ClientSampleId :

BFH64RE

Tgt Ion: 75 Resp: 2729

Ion Ratio Lower Upper

75 100

77 38.1 25.0 37.6#

