

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031519\
 Data File : VU030030.D
 Acq On : 13 Mar 2019 14:48
 Operator : JC/SP
 Sample : K1885-14 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF1B3

Quant Time: Mar 14 01:40:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 14 01:36:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	512030	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	496203	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	237553	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	139329	41.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.28%
7) Chloroethane-d5	1.68	69	121787	44.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.10%
11) 1,1-Dichloroethene-d2	2.27	63	199961	32.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.42%
21) 2-Butanone-d5	4.17	46	250814	98.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.84%
24) Chloroform-d	4.65	84	278321	45.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.62%
26) 1,2-Dichloroethane-d4	5.31	65	165276	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.18%
32) Benzene-d6	5.34	84	589620	46.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.32%
36) 1,2-Dichloropropane-d6	6.33	67	187341	47.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.84%
41) Toluene-d8	7.56	98	531473	44.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.88%
43) trans-1,3-Dichloropropene-	7.85	79	84013	44.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.74%
47) 2-Hexanone-d5	8.31	63	220542	100.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.83%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	287915	47.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.86%
64) 1,2-Dichlorobenzene-d4	11.86	152	224686	48.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.66%

Target Compounds

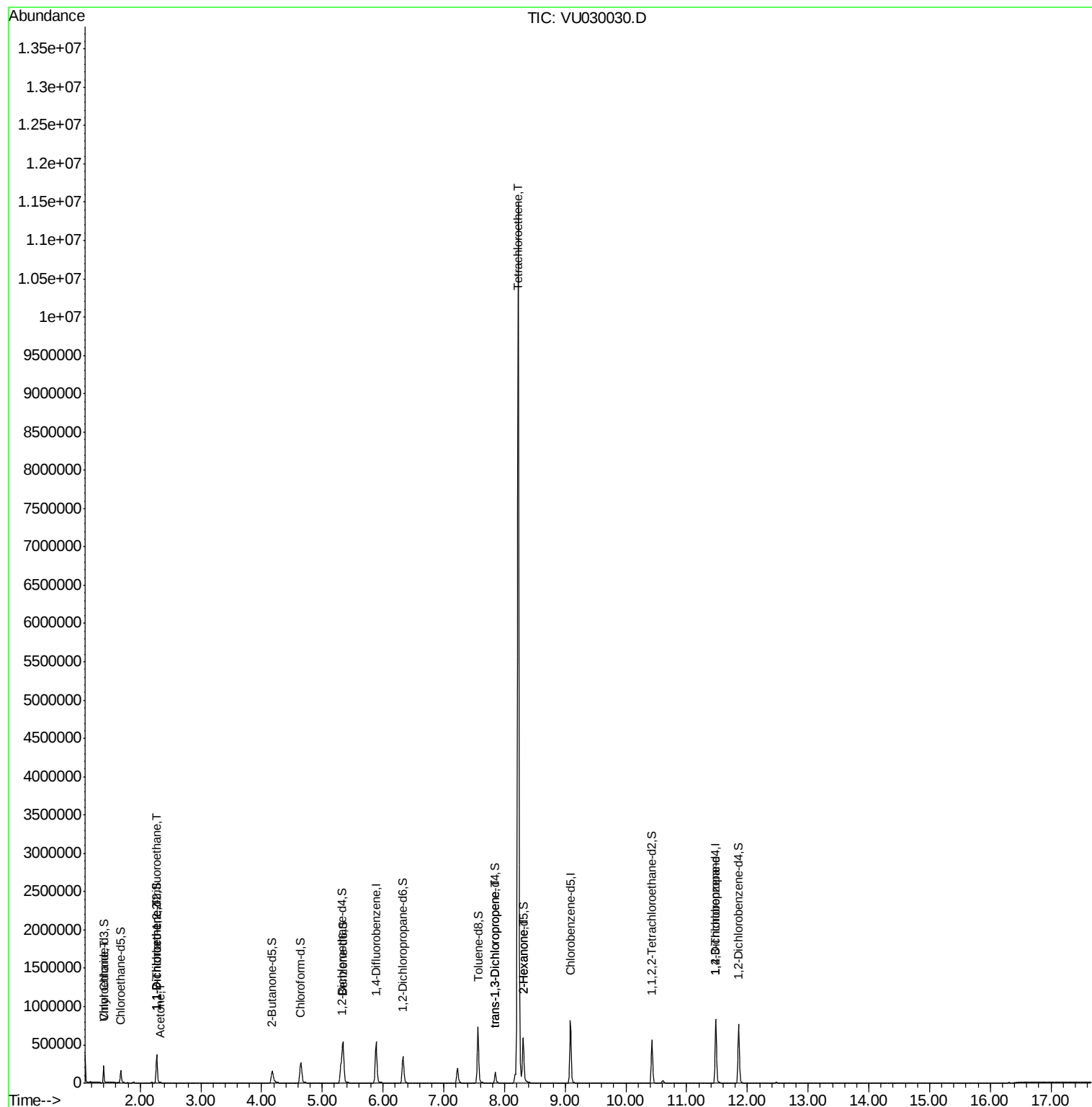
					Qvalue
8) Chloroethane	1.40	64	2110	0.823 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3413	1.015 ug/L #	53
12) 1,1-Dichloroethene	2.28	96	6555	2.043 ug/L #	1
13) Acetone	2.32	43	1620	0.546 ug/L	70
44) trans-1,3-Dichloropropene	7.85	75	3257	0.614 ug/L	87
46) Tetrachloroethene	8.22	164	2811326	863.240 ug/L	99
48) 2-Hexanone	8.31	43	20756	4.824 ug/L #	63
59) 1,2,3-Trichloropropane	11.48	75	23728	4.878 ug/L	93

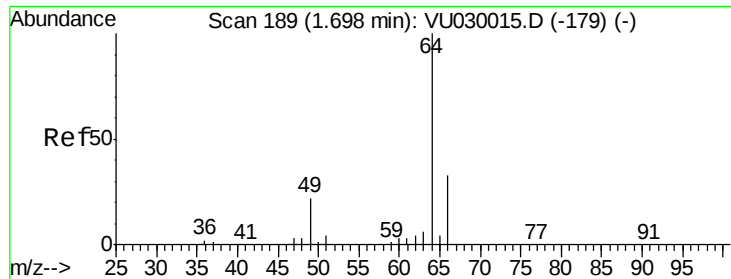
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.823 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.30 min

Lab File: VU030030.D

Acq: 13 Mar 2019 14:48

Instrument :

MSVOA_U

ClientSampleId :

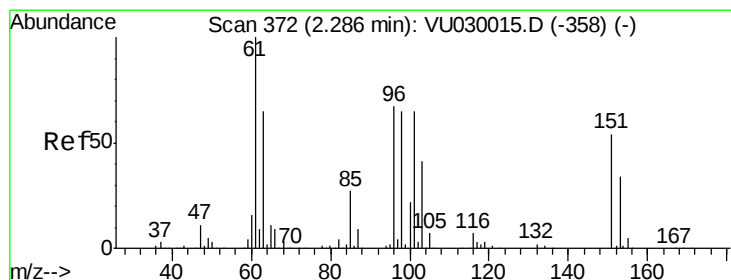
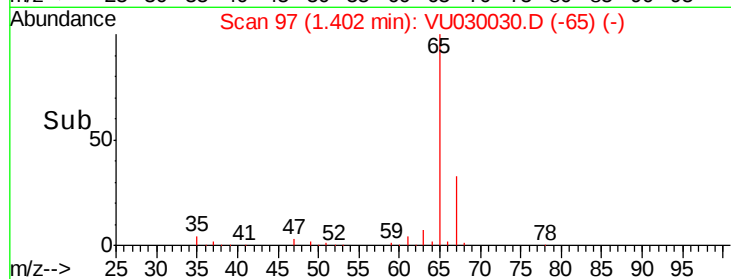
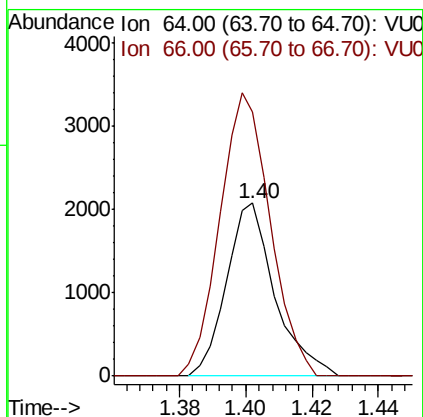
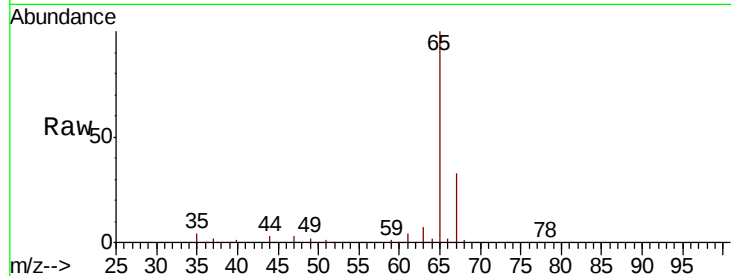
BF1B3

Tgt Ion: 64 Resp: 2110

Ion Ratio Lower Upper

64 100

66 152.5 21.3 39.6#



#10

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

Concen: 1.015 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU030030.D

Acq: 13 Mar 2019 14:48

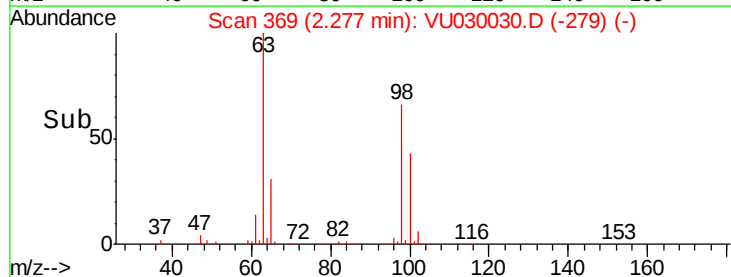
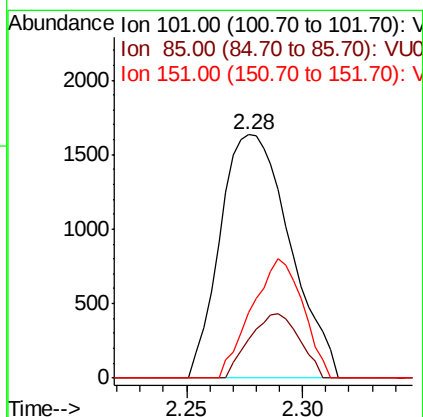
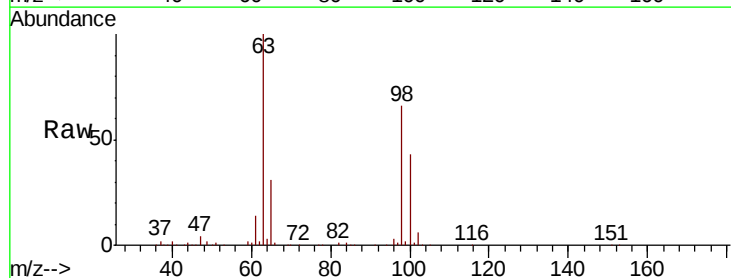
Tgt Ion: 101 Resp: 3413

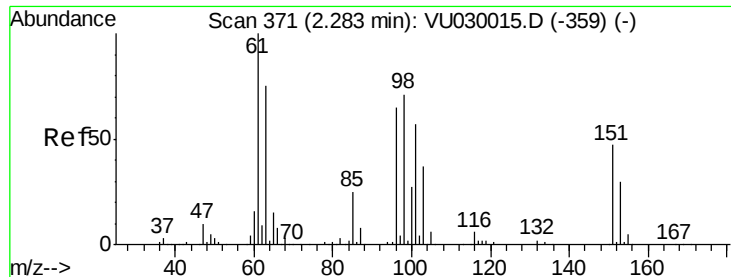
Ion Ratio Lower Upper

101 100

85 18.9 33.0 49.4#

151 35.9 66.1 99.1#





#12

1,1-Dichloroethene

Concen: 2.043 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030030.D

Acq: 13 Mar 2019 14:48

Instrument :

MSVOA_U

ClientSampleId :

BF1B3

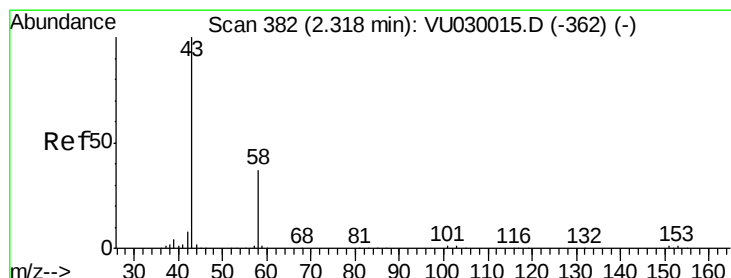
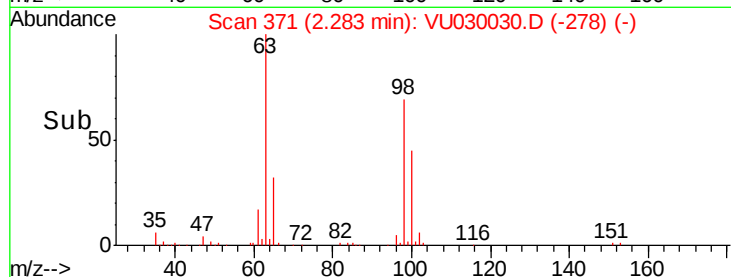
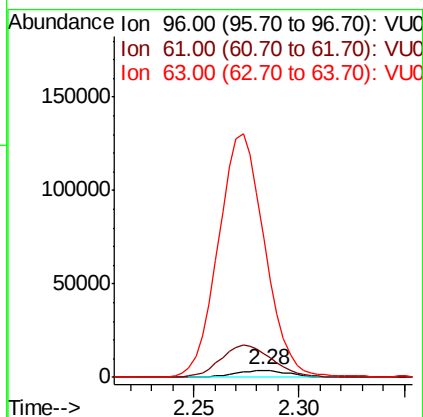
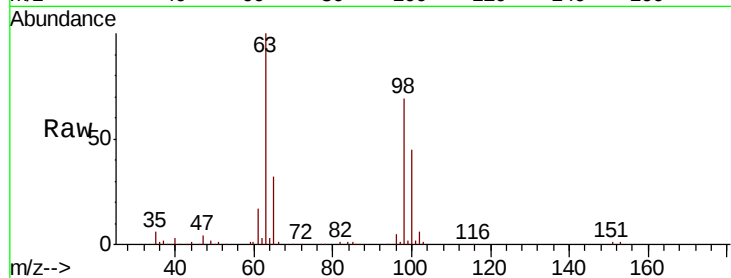
Tgt Ion: 96 Resp: 6555

Ion Ratio Lower Upper

96 100

61 323.1 110.4 205.0#

63 1921.0 86.5 160.7#



#13

Acetone

Concen: 0.546 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VU030030.D

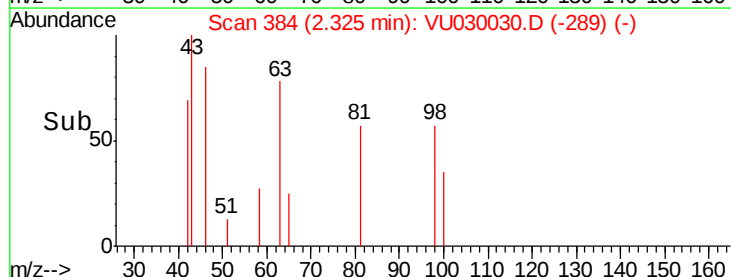
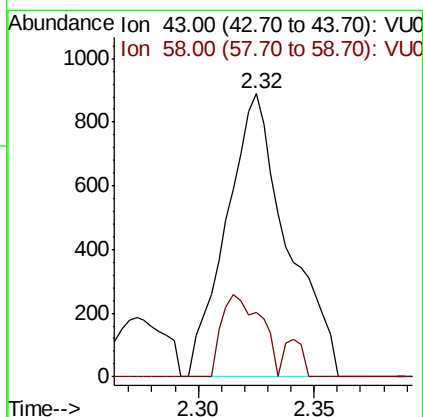
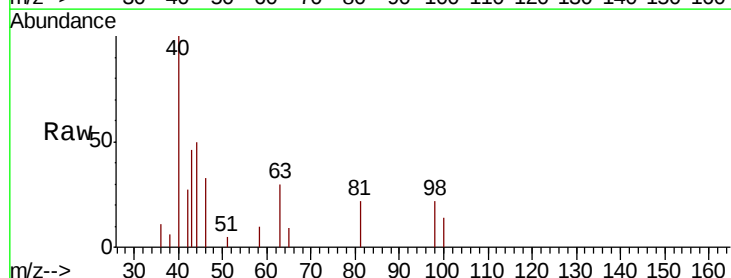
Acq: 13 Mar 2019 14:48

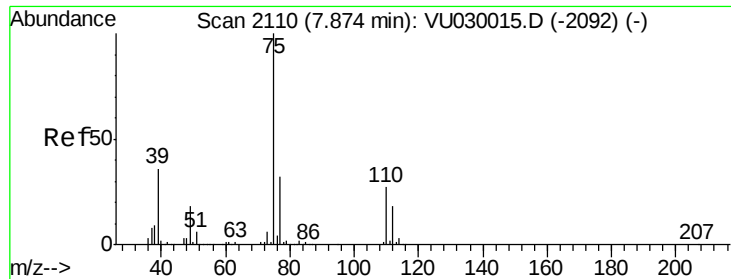
Tgt Ion: 43 Resp: 1620

Ion Ratio Lower Upper

43 100

58 18.9 0.0 73.0





#44

trans-1,3-Dichloropropene

Concen: 0.614 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030030.D

Acq: 13 Mar 2019 14:48

Instrument :

MSVOA_U

ClientSampleId :

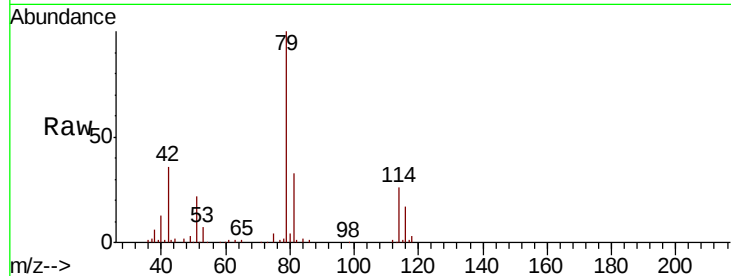
BF1B3

Tgt Ion: 75 Resp: 3257

Ion Ratio Lower Upper

75 100

77 38.4 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VU030015.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU030015.D (-2092) (-)

7.85

1500

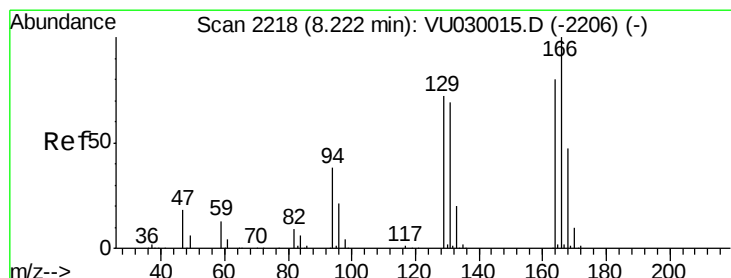
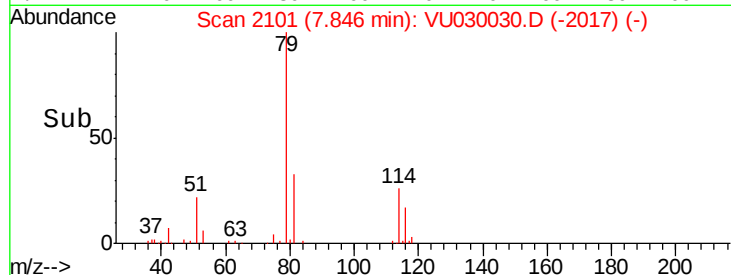
1000

500

0

7.80 7.85 7.90

Time-->



#46

Tetrachloroethene

Concen: 863.240 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030030.D

Acq: 13 Mar 2019 14:48

Tgt Ion: 164 Resp: 2811326

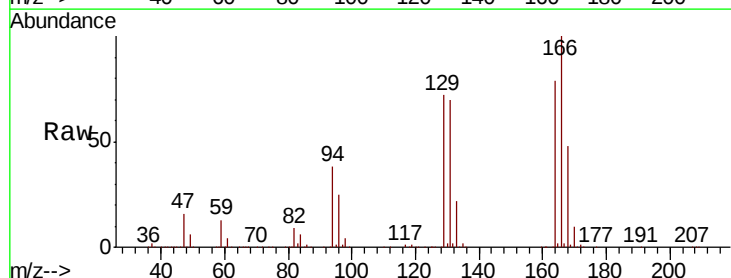
Ion Ratio Lower Upper

164 100

129 91.5 63.3 117.7

131 88.9 62.0 115.2

166 126.6 90.5 168.1



Abundance Ion 164.00 (163.70 to 164.70): VU030015.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU030015.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU030015.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU030015.D (-2206) (-)

8.22

3000000

2500000

2000000

1500000

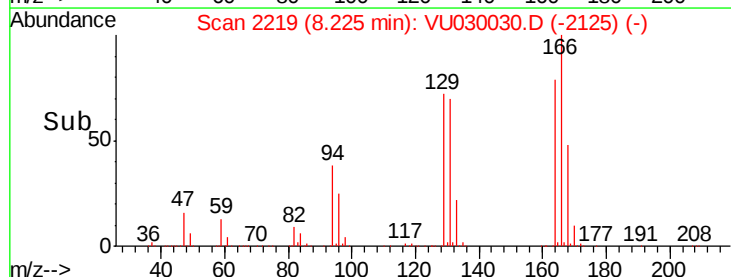
1000000

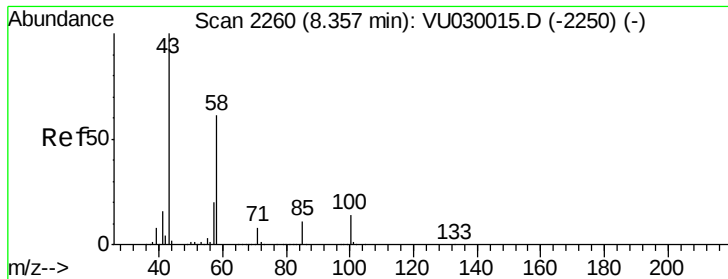
500000

0

8.10 8.20 8.30

Time-->





#48

2-Hexanone

Concen: 4.824 ug/L

RT: 8.31 min Scan# 2245

Delta R.T. -0.05 min

Lab File: VU030030.D

Acq: 13 Mar 2019 14:48

Instrument :

MSVOA_U

ClientSampleId :

BF1B3

Tgt Ion: 43 Resp: 20756

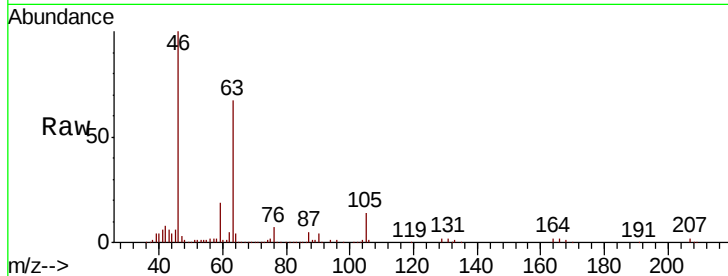
Ion Ratio Lower Upper

43 100

58 26.5 48.6 72.8#

57 26.7 16.1 24.1#

100 0.0 11.6 17.4#

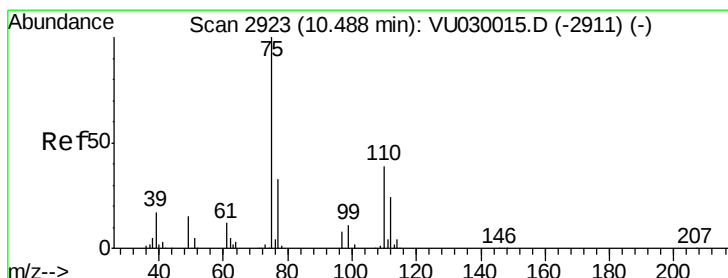
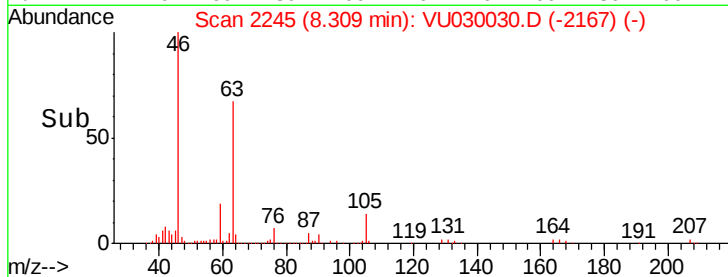
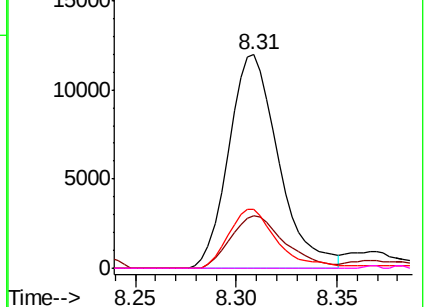


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#59

1,2,3-Trichloropropane

Concen: 4.878 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030030.D

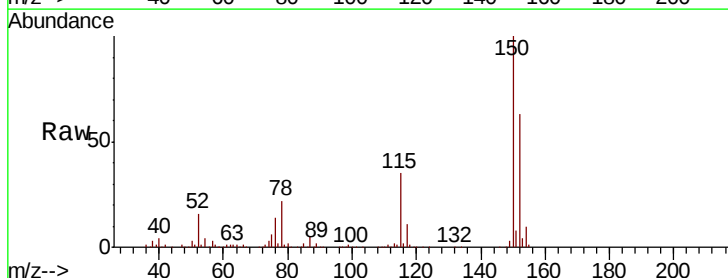
Acq: 13 Mar 2019 14:48

Tgt Ion: 75 Resp: 23728

Ion Ratio Lower Upper

75 100

77 36.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

