

Data File : VU033342.D
Acq On : 19 Jul 2019 17:11
Operator : JC/SP
Sample : K3920-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

Quant Time: Jul 19 22:58:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 22:54:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	305033	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	296343	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	138169	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	113899	49.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.66%
7) Chloroethane-d5	1.67	69	102905	52.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.34%
11) 1,1-Dichloroethene-d2	2.26	63	155257	37.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.14%
21) 2-Butanone-d5	4.15	46	165116	112.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.85%
24) Chloroform-d	4.62	84	189986	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.29	65	131040	52.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.60%
32) Benzene-d6	5.32	84	394198	54.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.44%
36) 1,2-Dichloropropane-d6	6.31	67	127961	54.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.90%
41) Toluene-d8	7.55	98	354453	51.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.40%
43) trans-1,3-Dichloropropene-	7.83	79	60986	53.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.82%
47) 2-Hexanone-d5	8.29	63	116186	110.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.67%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	181133	51.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.78%
64) 1,2-Dichlorobenzene-d4	11.85	152	134867	54.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.46%

Target Compounds

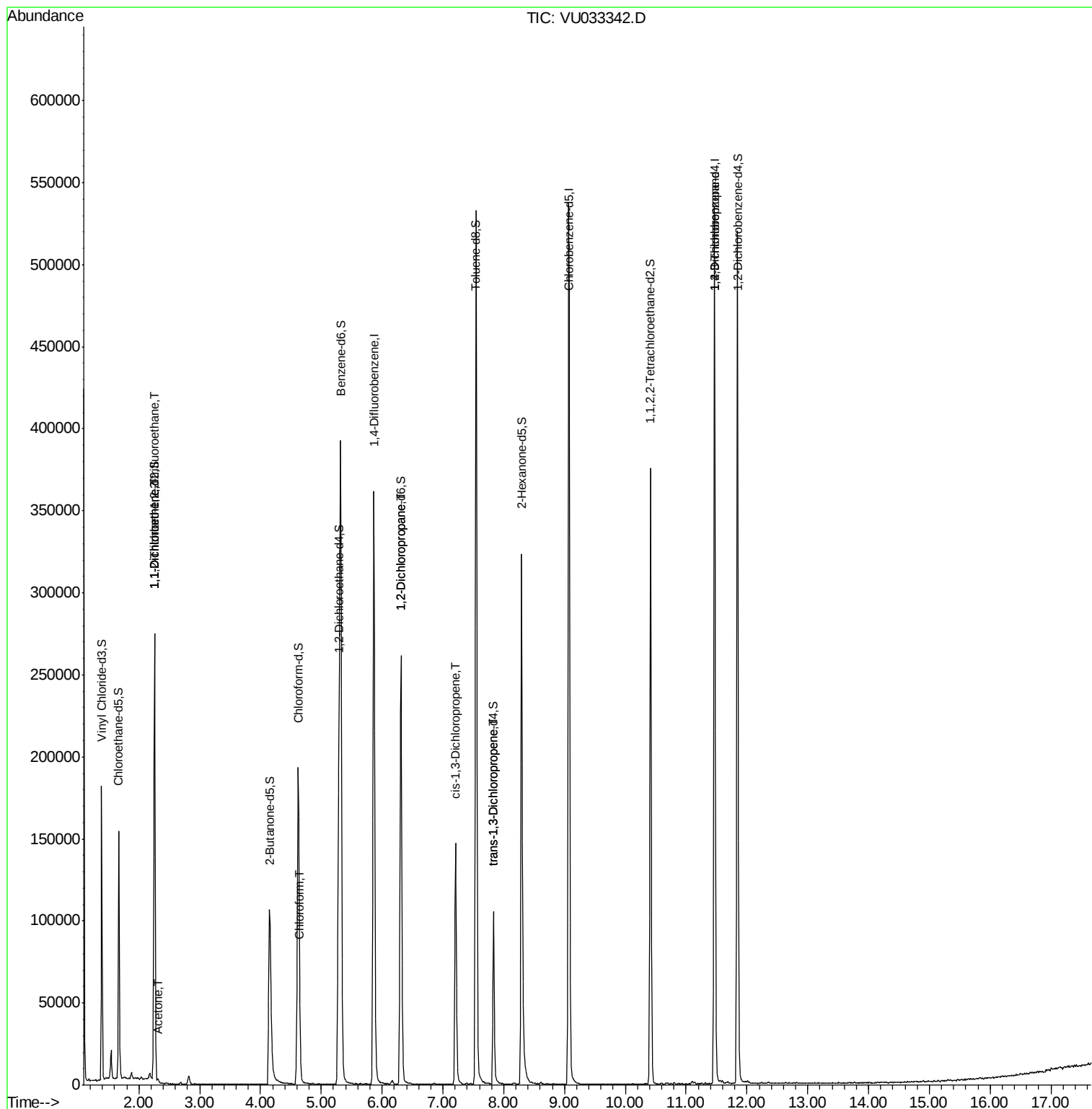
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1255	0.603 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1252	0.615 ug/L #	1
13) Acetone	2.31	43	1138	0.623 ug/L	73
25) Chloroform	4.66	83	4356	1.013 ug/L	86
37) 1,2-Dichloropropane	6.31	63	13940	5.948 ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	3736	1.040 ug/L #	81
44) trans-1,3-Dichloropropene	7.84	75	2632	0.812 ug/L	85
59) 1,2,3-Trichloropropane	11.47	75	17024	5.580 ug/L	91

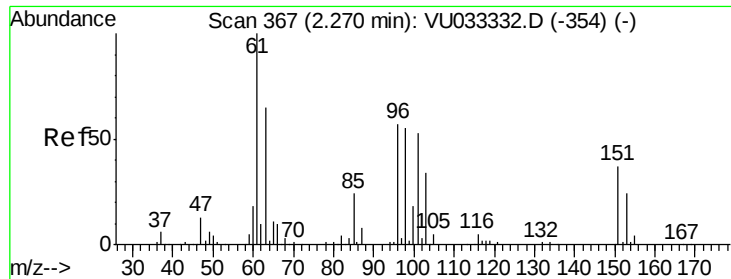
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.603 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

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Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

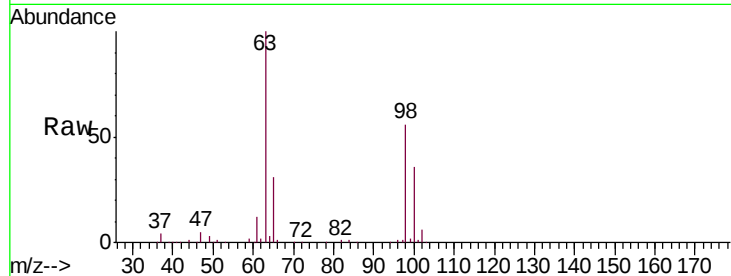
Tgt Ion: 101 Resp: 1255

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

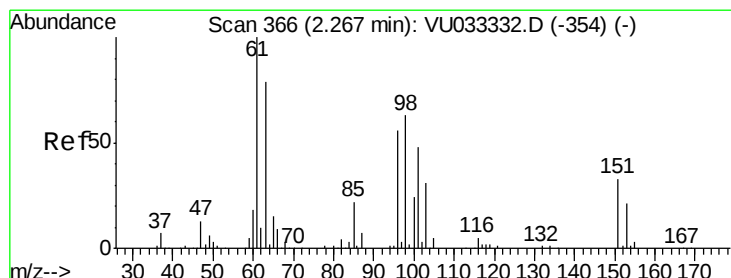
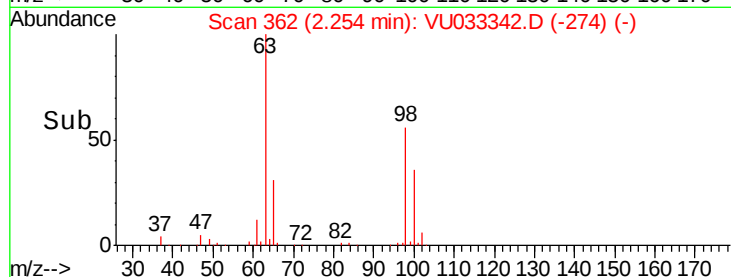
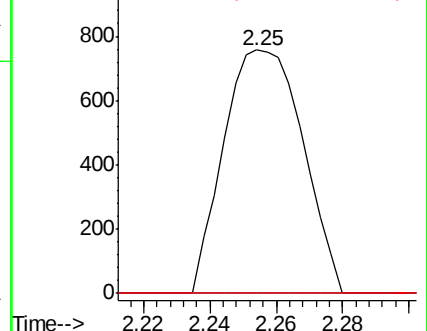
151 0.0 56.7 85.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.615 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033342.D

Acq: 19 Jul 2019 17:11

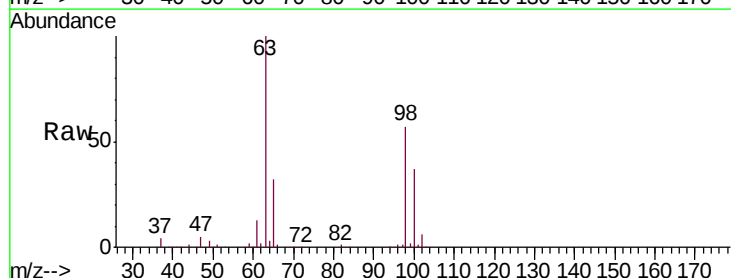
Tgt Ion: 96 Resp: 1252

Ion Ratio Lower Upper

96 100

61 1770.2 126.1 234.1#

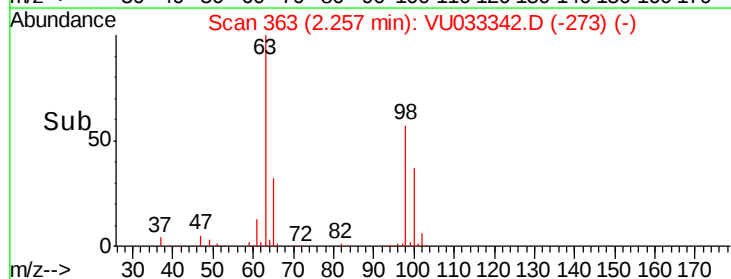
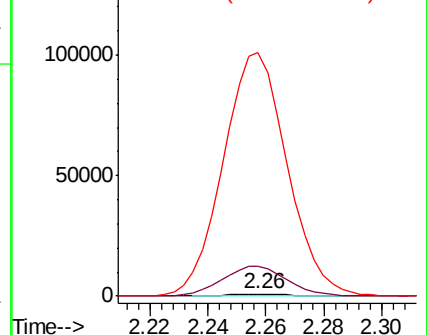
63 14134.8 96.8 179.8#

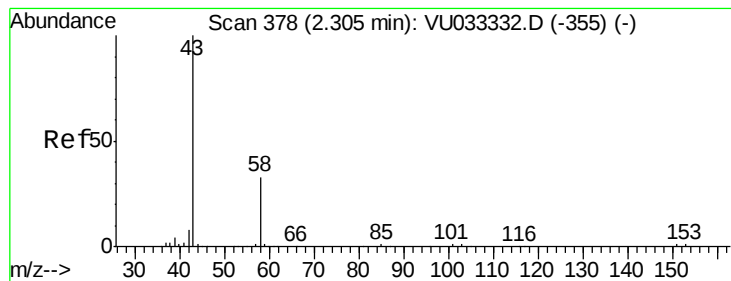


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.623 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

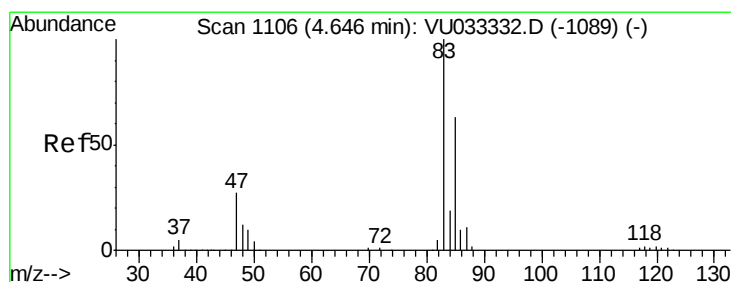
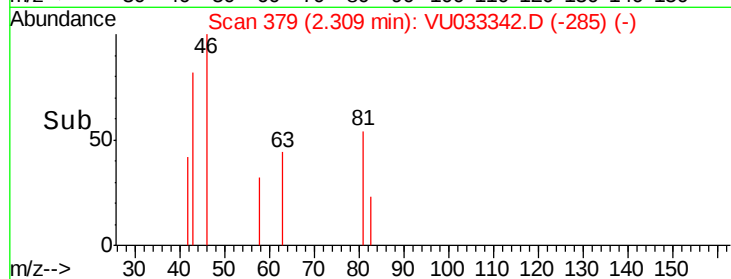
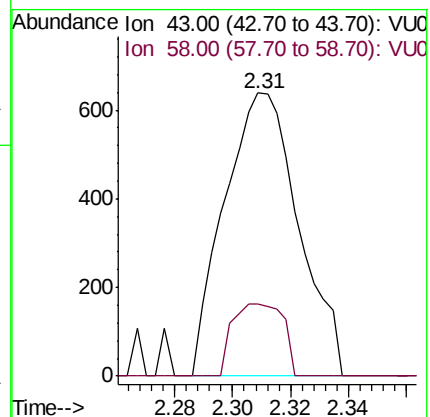
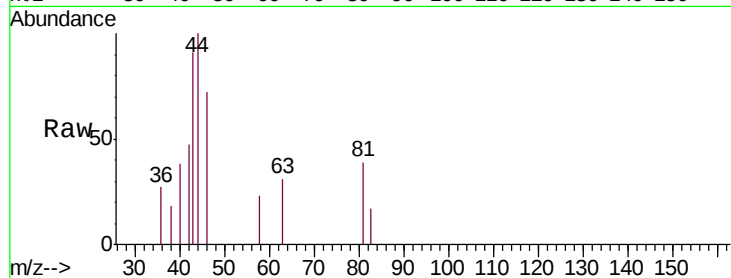
VHBLK01

Tgt Ion: 43 Resp: 1138

Ion Ratio Lower Upper

43 100

58 17.4 0.0 65.4



#25

Chloroform

Concen: 1.013 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VU033342.D

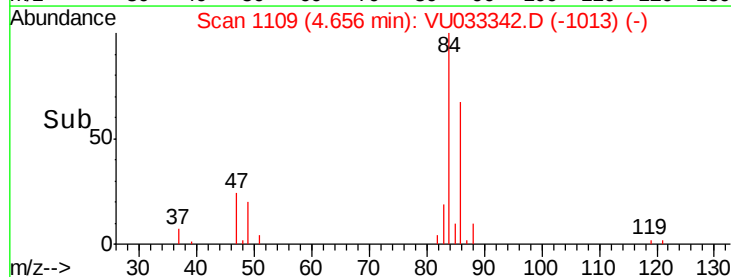
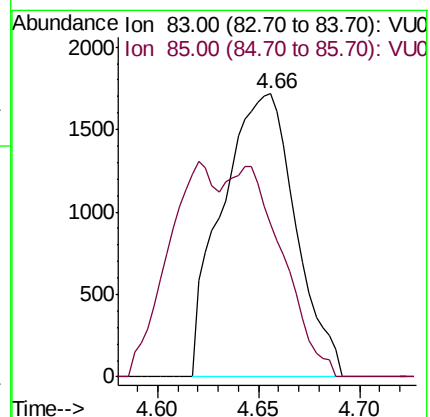
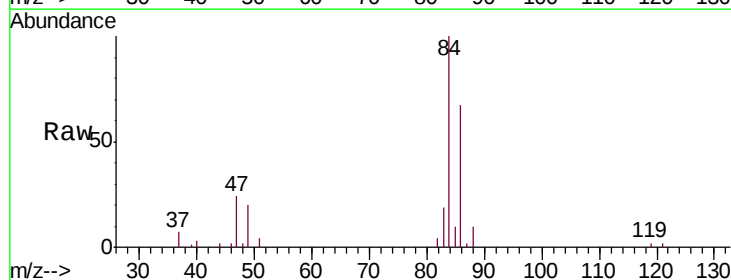
Acq: 19 Jul 2019 17:11

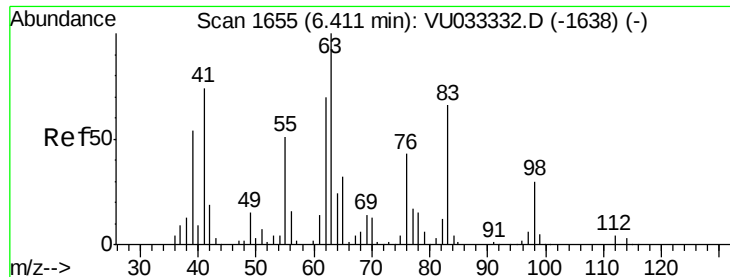
Tgt Ion: 83 Resp: 4356

Ion Ratio Lower Upper

83 100

85 54.1 45.4 84.4





#37

1,2-Dichloropropane

Concen: 5.948 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU033342.D

Acq: 19 Jul 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

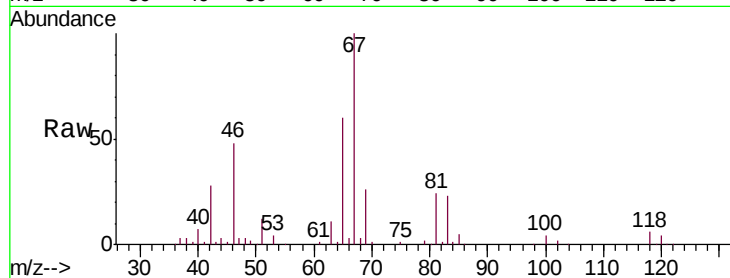
VHBLK01

Tgt Ion: 63 Resp: 13940

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU033332.D (-1638) (-)

Ion 112.00 (111.70 to 112.70): VU033332.D (-1638) (-)

8000

6000

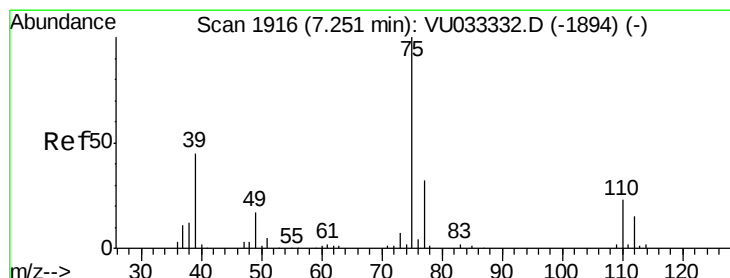
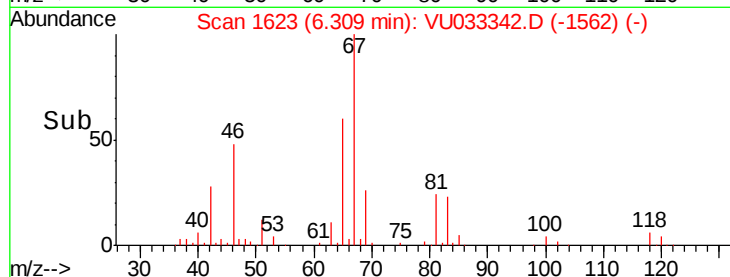
4000

2000

0

6.25 6.30 6.35 6.40

Time-->



#39

cis-1,3-Dichloropropene

Concen: 1.040 ug/L

RT: 7.21 min Scan# 1903

Delta R.T. -0.04 min

Lab File: VU033342.D

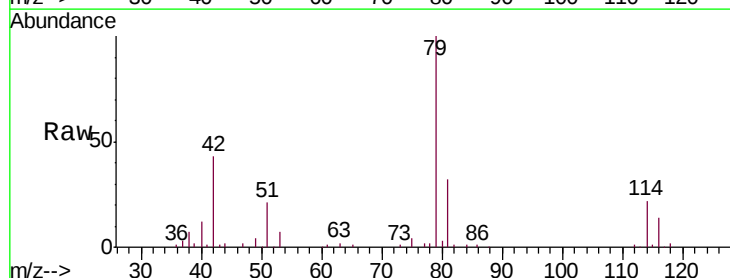
Acq: 19 Jul 2019 17:11

Tgt Ion: 75 Resp: 3736

Ion Ratio Lower Upper

75 100

77 43.8 23.1 42.9#



Abundance Ion 75.00 (74.70 to 75.70): VU033332.D (-1894) (-)

Ion 77.00 (76.70 to 77.70): VU033332.D (-1894) (-)

2500

2000

1500

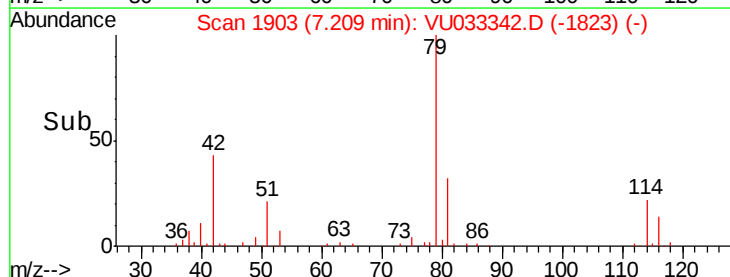
1000

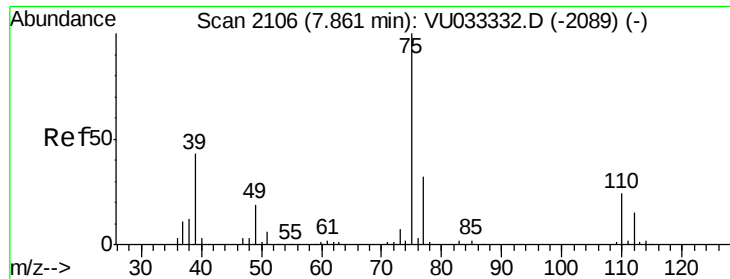
500

0

7.15 7.20 7.25

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.812 ug/L

RT: 7.84 min Scan# 2098

Delta R.T. -0.03 min

Lab File: VU033342.D

Acq: 19 Jul 2019 17:11

Instrument :

MSVOA_U

ClientSampleId :

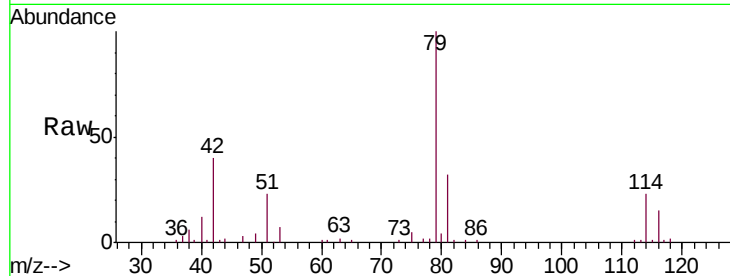
VHBLK01

Tgt Ion: 75 Resp: 2632

Ion Ratio Lower Upper

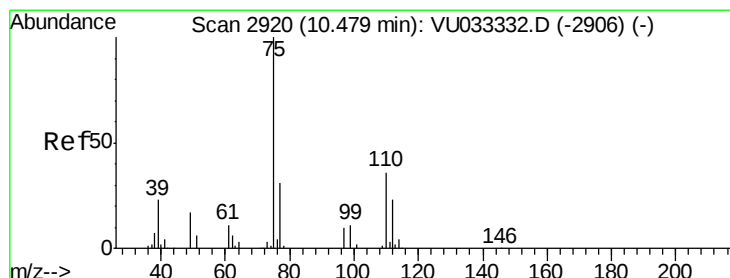
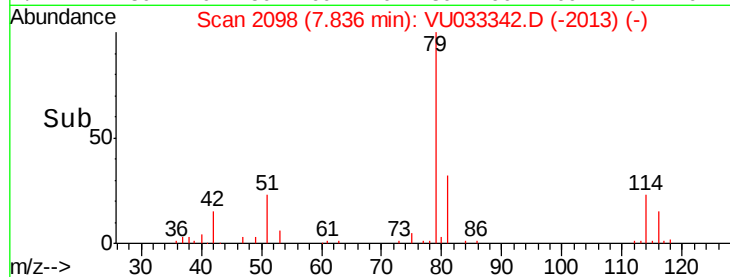
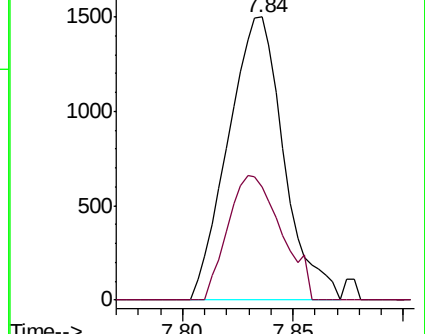
75 100

77 40.2 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 5.580 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033342.D

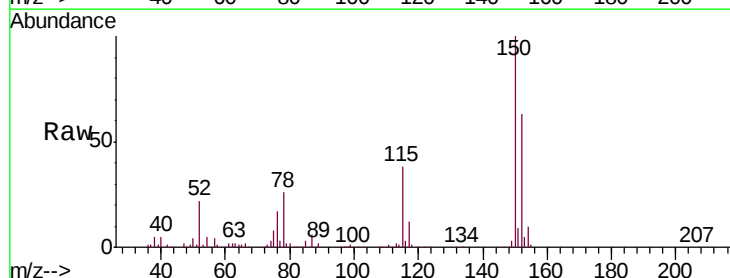
Acq: 19 Jul 2019 17:11

Tgt Ion: 75 Resp: 17024

Ion Ratio Lower Upper

75 100

77 37.3 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

