

Data File : VU034917.D
Acq On : 03 Oct 2019 15:50
Operator : JC/SP
Sample : VU1003WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK47

Quant Time: Oct 04 06:43:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100319WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 04 06:39:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	425613	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	407337	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	160800	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	164309	48.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.06%
7) Chloroethane-d5	1.67	69	128979	50.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.04%
11) 1,1-Dichloroethene-d2	2.26	63	225140	37.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.50%
21) 2-Butanone-d5	4.15	46	253164	100.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.46%
24) Chloroform-d	4.62	84	266821	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
26) 1,2-Dichloroethane-d4	5.28	65	189228	50.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.22%
32) Benzene-d6	5.32	84	583563	50.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.88%
36) 1,2-Dichloropropane-d6	6.31	67	191762	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.44%
41) Toluene-d8	7.54	98	528704	49.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.42%
43) trans-1,3-Dichloropropene-	7.83	79	83358	49.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.46%
47) 2-Hexanone-d5	8.29	63	171196	95.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.48%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	257502	47.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.90%
64) 1,2-Dichlorobenzene-d4	11.84	152	174927	52.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.96%

Target Compounds

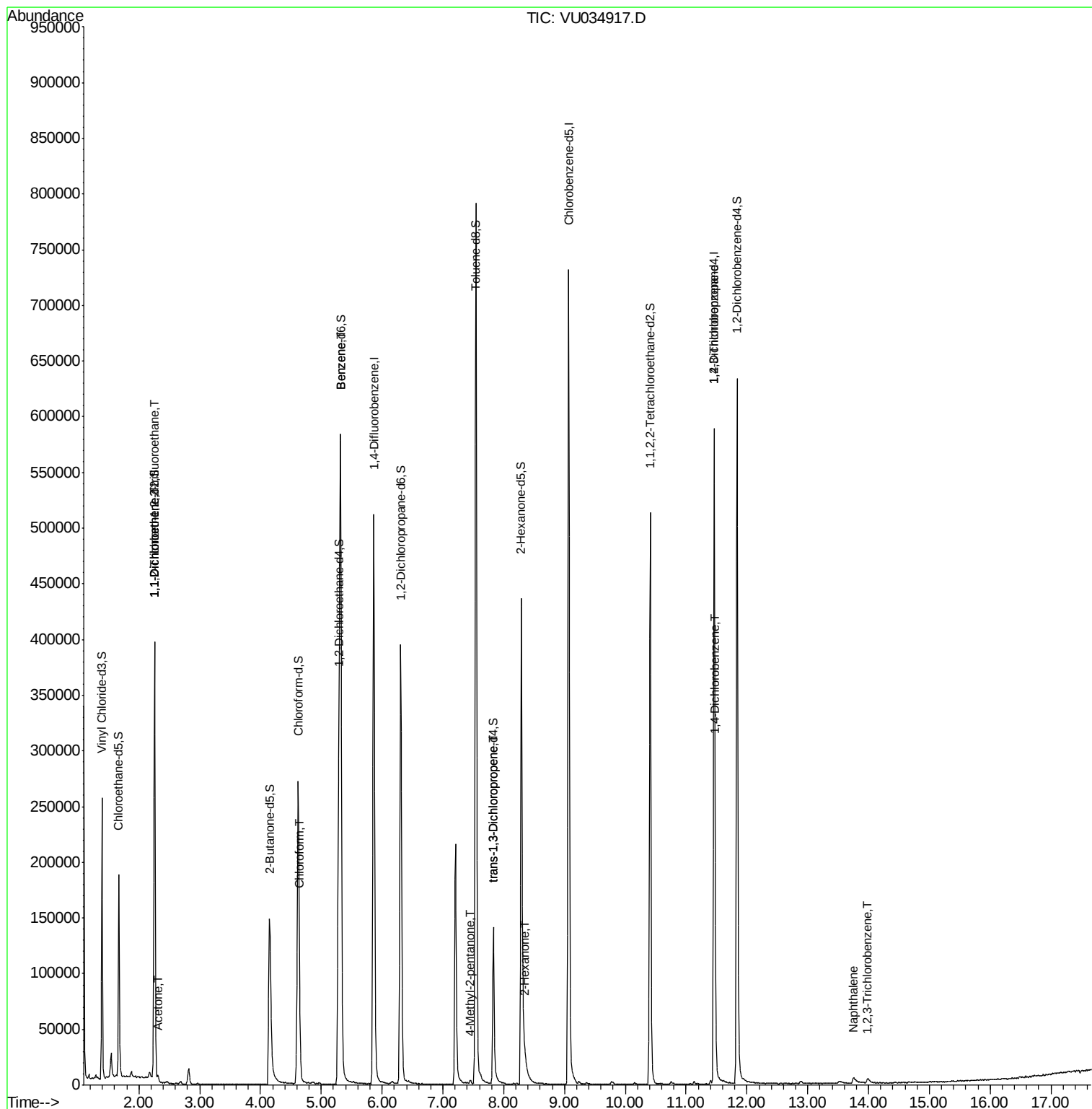
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2057	0.807	ug/L #	20
12) 1,1-Dichloroethene	2.26	96	1882	0.769	ug/L #	1
13) Acetone	2.31	43	2095	0.878	ug/L	89
25) Chloroform	4.65	83	8987	1.596	ug/L	97
33) Benzene	5.32	78	4765	0.401	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	2493	0.485	ug/L #	89
44) trans-1,3-Dichloropropene	7.83	75	3626	0.823	ug/L	98
48) 2-Hexanone	8.35	43	6205	1.585	ug/L #	53
59) 1,2,3-Trichloropropane	11.46	75	20877	4.870	ug/L	93
63) 1,4-Dichlorobenzene	11.49	146	3017	0.603	ug/L #	90
69) Naphthalene	13.75	128	6446	0.833	ug/L #	87
70) 1,2,3-Trichlorobenzene	13.98	180	1601	0.595	ug/L	87

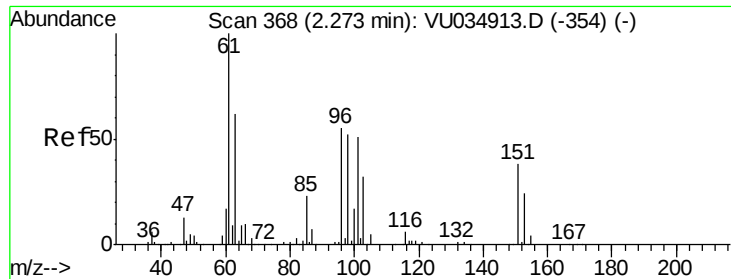
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.807 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU034917.D

Acq: 03 Oct 2019 15:50

Instrument :

MSVOA_U

ClientSampleId :

VBLK47

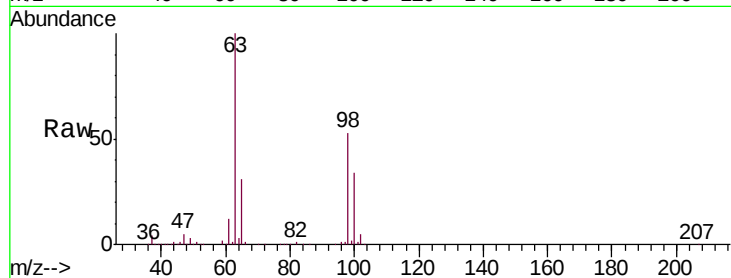
Tgt Ion: 101 Resp: 2057

Ion Ratio Lower Upper

101 100

85 0.0 35.9 53.9#

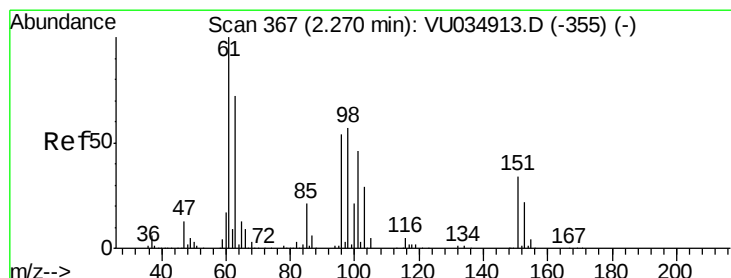
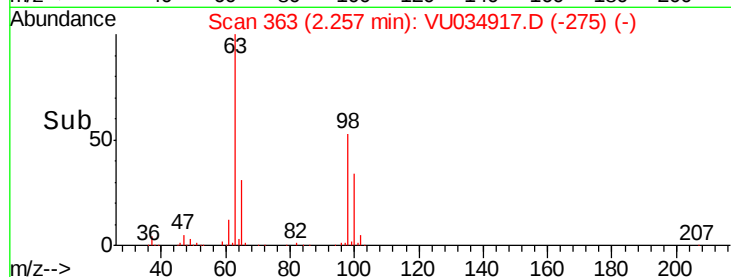
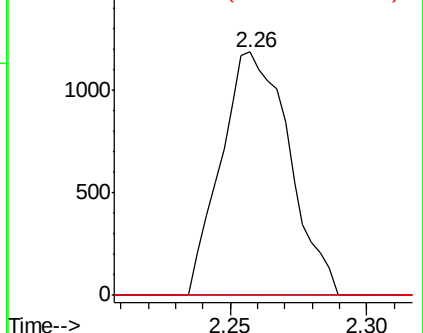
151 0.0 59.0 88.4#



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: 0.769 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU034917.D

Acq: 03 Oct 2019 15:50

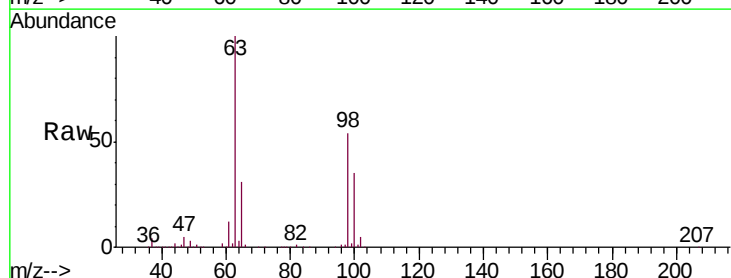
Tgt Ion: 96 Resp: 1882

Ion Ratio Lower Upper

96 100

61 1463.2 131.2 243.6#

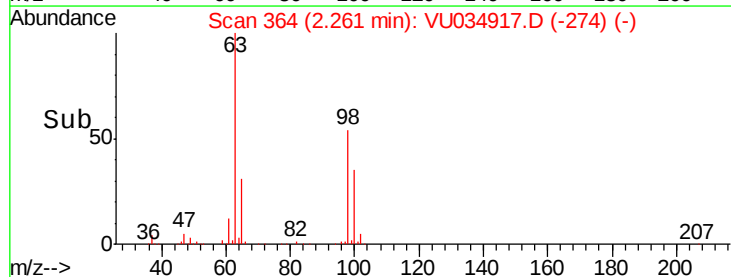
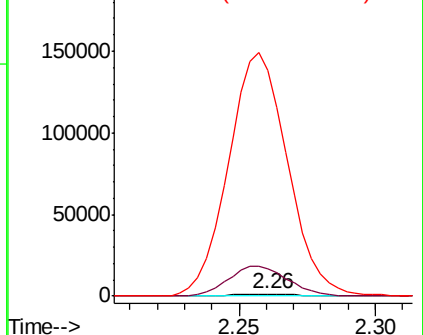
63 11876.3 97.6 181.2#

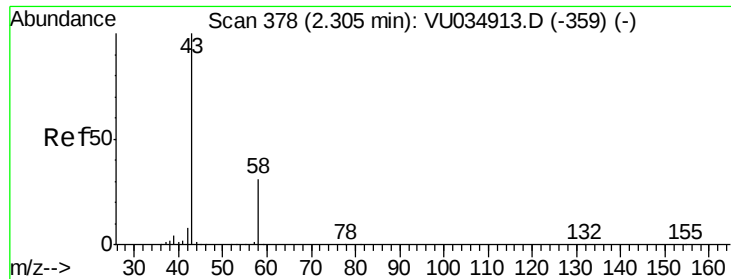


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.878 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034917.D

Acq: 03 Oct 2019 15:50

Instrument :

MSVOA_U

ClientSampleId :

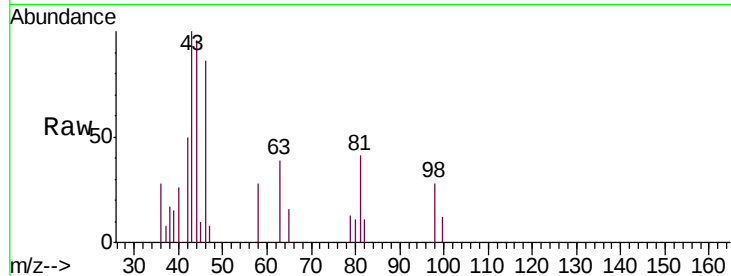
VBLK47

Tgt Ion: 43 Resp: 2095

Ion Ratio Lower Upper

43 100

58 24.9 0.0 61.4



Abundance Ion 43.00 (42.70 to 43.70): VU034917.D (-1089) (-)

Ion 58.00 (57.70 to 58.70): VU034917.D (-1089) (-)

2.31

1500

1000

500

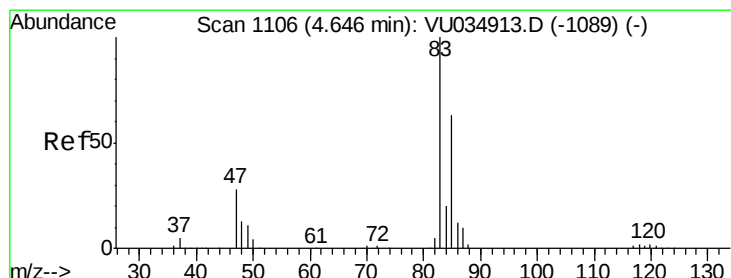
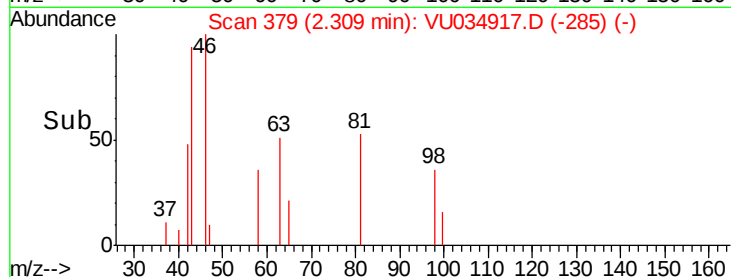
0

Time-->

2.25

2.30

2.35



#25

Chloroform

Concen: 1.596 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034917.D

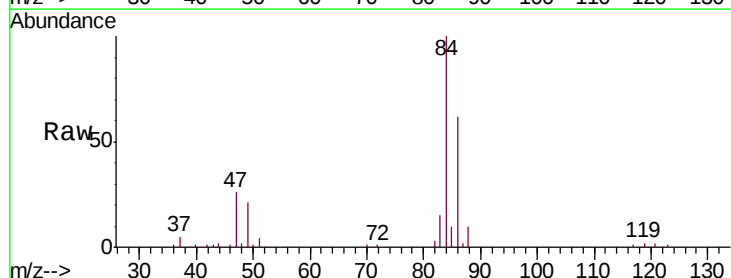
Acq: 03 Oct 2019 15:50

Tgt Ion: 83 Resp: 8987

Ion Ratio Lower Upper

83 100

85 65.7 44.2 82.2



Abundance Ion 83.00 (82.70 to 83.70): VU034917.D (-1013) (-)

Ion 85.00 (84.70 to 85.70): VU034917.D (-1013) (-)

4.65

4000

3000

2000

1000

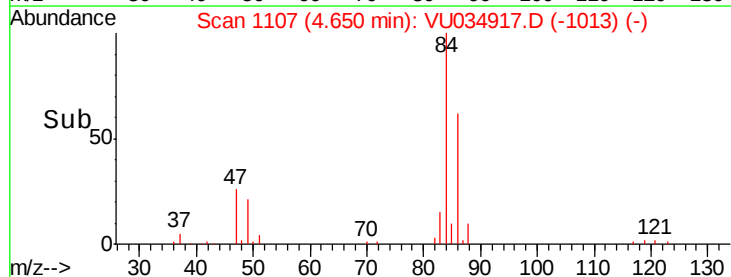
0

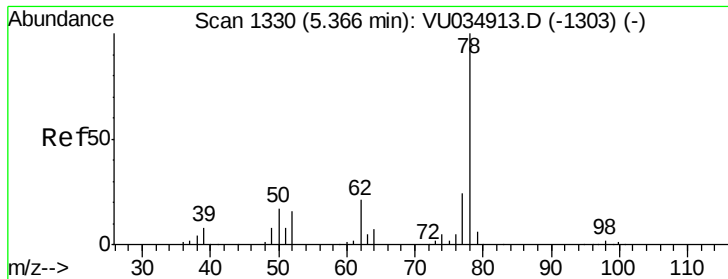
Time-->

4.60

4.65

4.70





#33

Benzene

Concen: 0.401 ug/L

RT: 5.32 min Scan# 1315

Delta R.T. -0.05 min

Lab File: VU034917.D

Acq: 03 Oct 2019 15:50

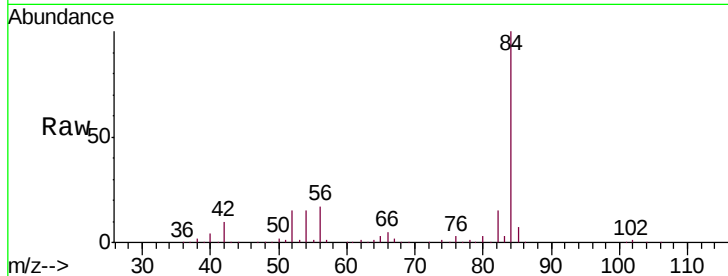
Instrument :

MSVOA_U

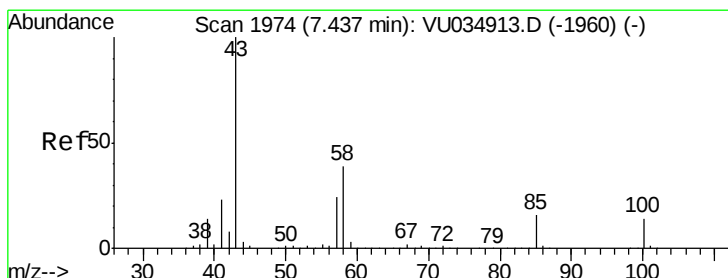
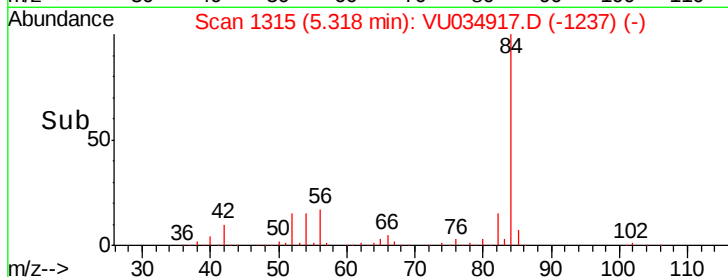
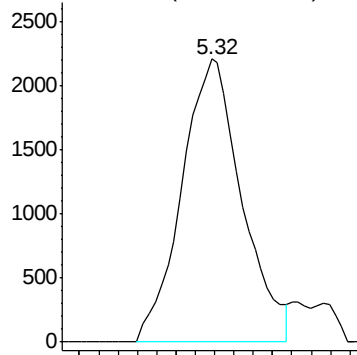
ClientSampleId :

VBLK47

Tgt Ion: 78 Resp: 4765



Abundance Ion 78.00 (77.70 to 78.70): VU0



#40

4-Methyl-2-pentanone

Concen: 0.485 ug/L

RT: 7.45 min Scan# 1978

Delta R.T. 0.01 min

Lab File: VU034917.D

Acq: 03 Oct 2019 15:50

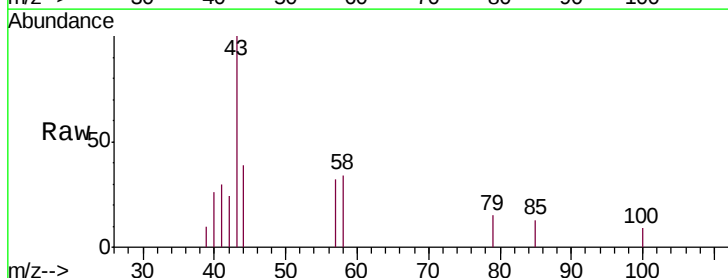
Tgt Ion: 43 Resp: 2493

Ion Ratio Lower Upper

43 100

58 34.5 30.7 46.1

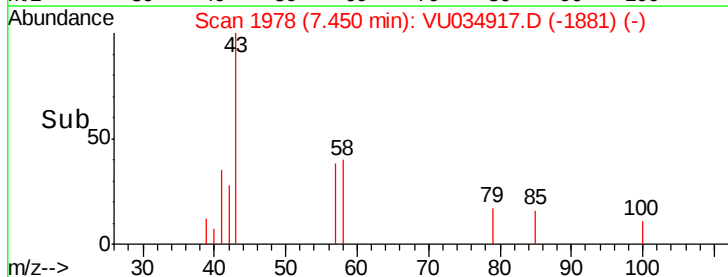
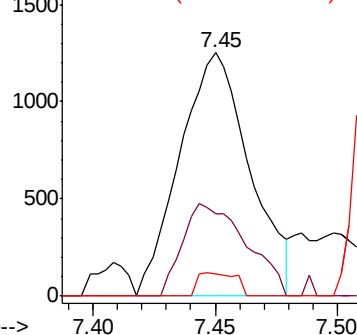
100 4.3 10.9 16.3#

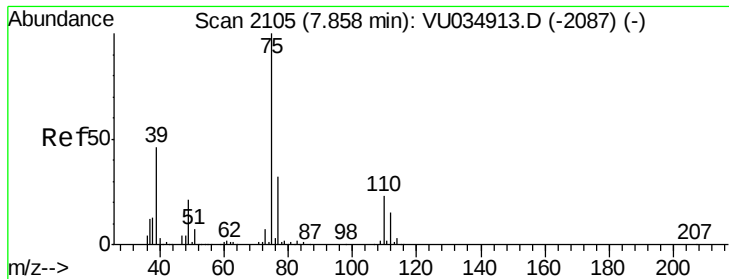


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

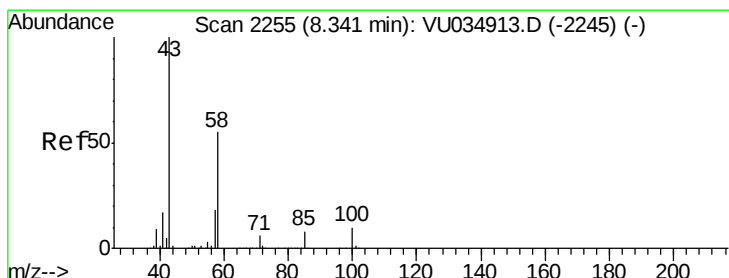
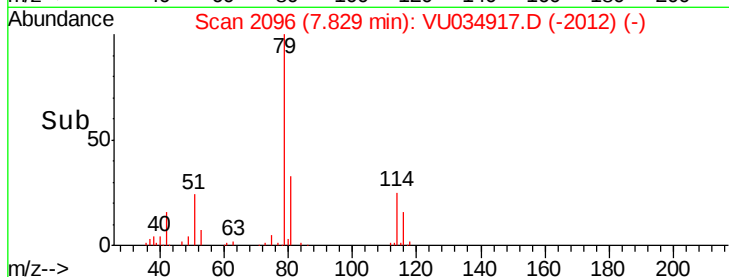
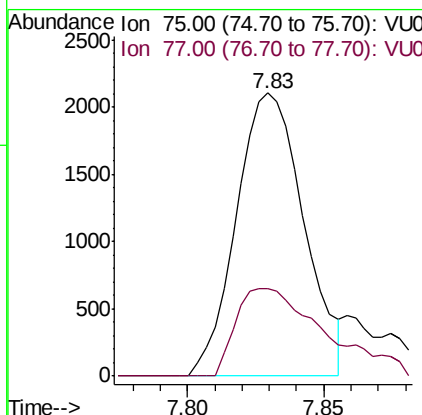
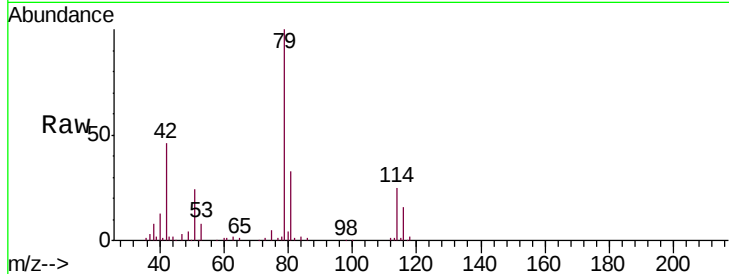




#44
trans-1,3-Dichloropropene
Concen: 0.823 ug/L
RT: 7.83 min Scan# 2096
Delta R.T. -0.03 min
Lab File: VU034917.D
Acq: 03 Oct 2019 15:50

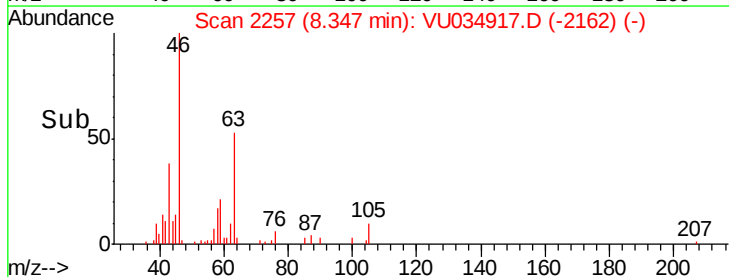
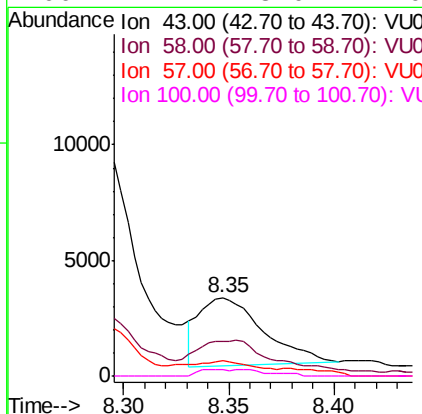
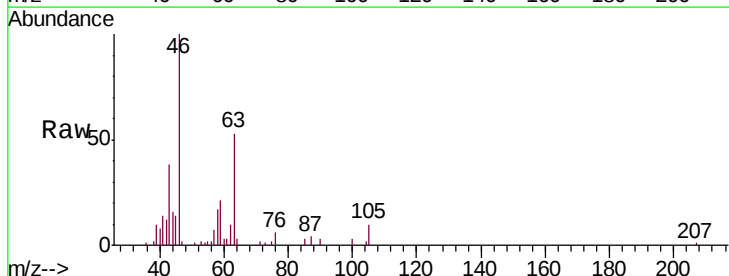
Instrument :
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VBLK47

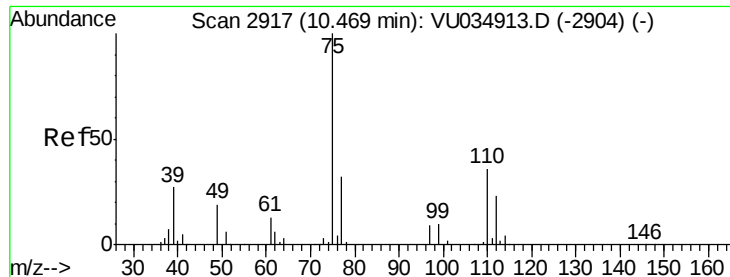
Tgt Ion: 75 Resp: 3626
Ion Ratio Lower Upper
75 100
77 30.9 22.2 41.2



#48
2-Hexanone
Concen: 1.585 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.01 min
Lab File: VU034917.D
Acq: 03 Oct 2019 15:50

Tgt Ion: 43 Resp: 6205
Ion Ratio Lower Upper
43 100
58 12.3 40.8 61.2#
57 0.0 14.0 21.0#
100 4.7 8.0 12.0#

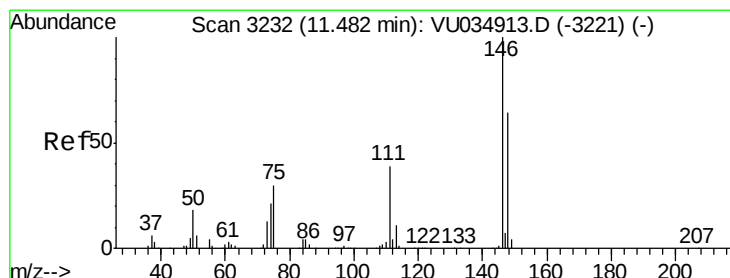
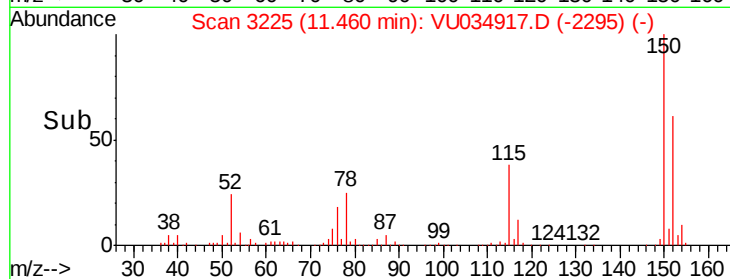
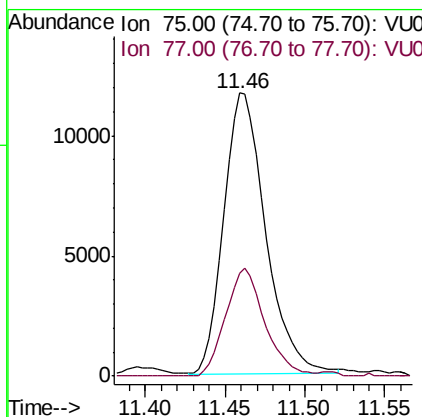
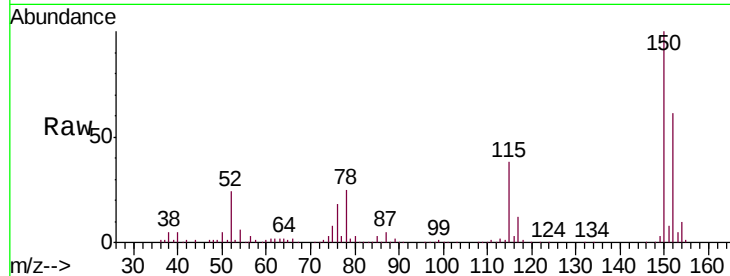




#59
 1,2,3-Trichloropropane
 Concen: 4.870 ug/L
 RT: 11.46 min Scan# 3225
 Delta R.T. 0.99 min
 Lab File: VU034917.D
 Acq: 03 Oct 2019 15:50

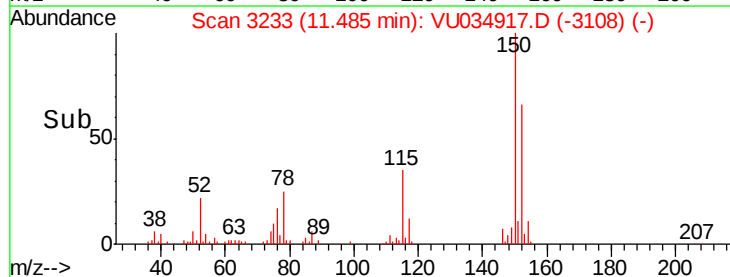
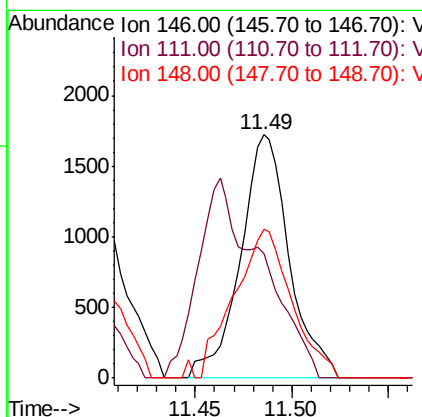
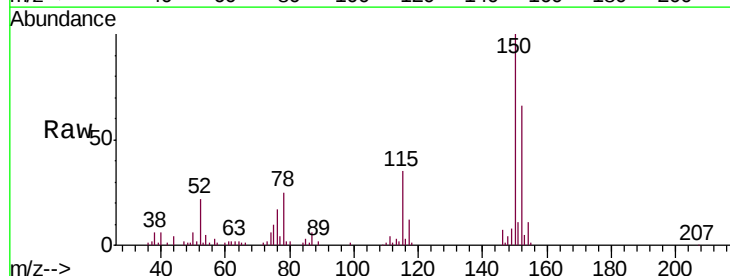
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK47

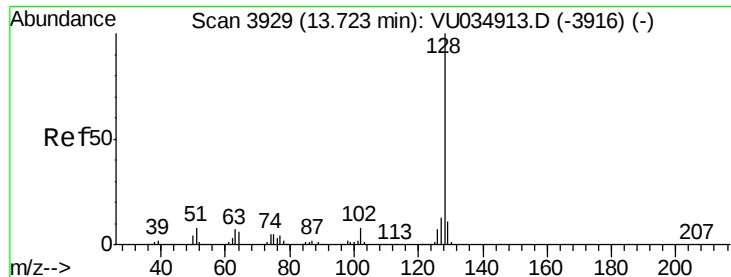
Tgt Ion: 75 Resp: 20877
 Ion Ratio Lower Upper
 75 100
 77 35.9 25.7 38.5



#63
 1,4-Dichlorobenzene
 Concen: 0.603 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034917.D
 Acq: 03 Oct 2019 15:50

Tgt Ion: 146 Resp: 3017
 Ion Ratio Lower Upper
 146 100
 111 51.2 27.3 50.7#
 148 61.0 44.5 82.7





#69

Naphthalene

Concen: 0.833 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.03 min

Lab File: VU034917.D

Acq: 03 Oct 2019 15:50

Instrument :

MSVOA_U

ClientSampleId :

VBLK47

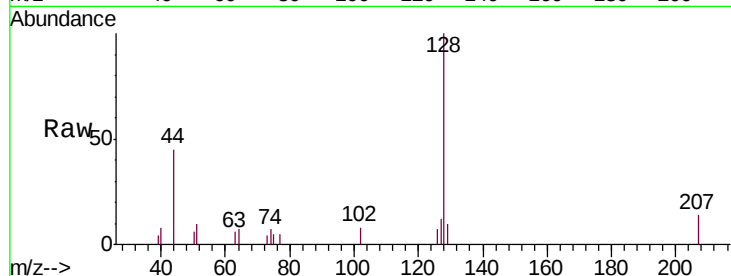
Tgt Ion:128 Resp: 6446

Ion Ratio Lower Upper

128 100

127 8.1 10.2 15.2#

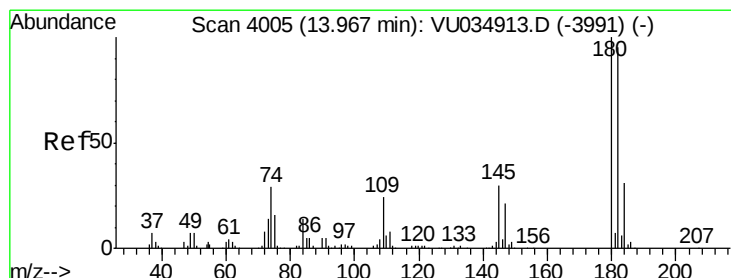
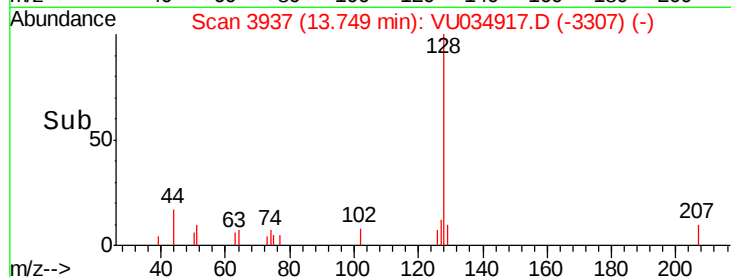
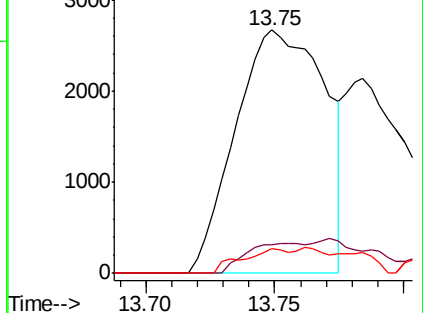
129 5.3 8.4 12.6#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.595 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.01 min

Lab File: VU034917.D

Acq: 03 Oct 2019 15:50

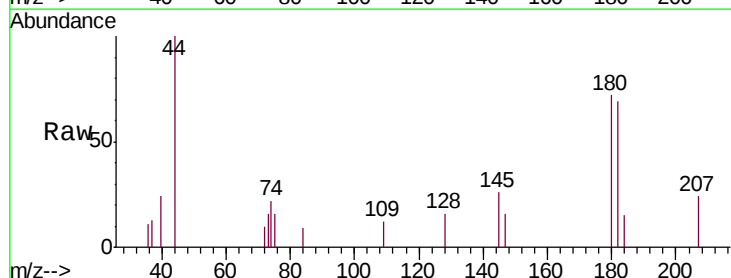
Tgt Ion:180 Resp: 1601

Ion Ratio Lower Upper

180 100

182 111.7 77.2 115.8

145 28.4 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

