

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022420\
 Data File : VU036886.D
 Acq On : 24 Feb 2020 16:28
 Operator : JC/MD
 Sample : L1608-01DL 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 25 03:21:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 25 03:18:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	277252	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	256085	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	94692	50.00	ug/L	0.00

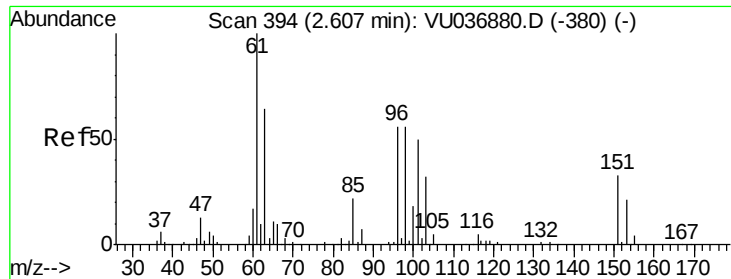
System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	107450	46.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.30%
7) Chloroethane-d5	1.93	69	92187	47.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.70%
11) 1,1-Dichloroethene-d2	2.59	63	138362	35.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.98%
21) 2-Butanone-d5	4.67	46	157133	100.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.61%
24) Chloroform-d	5.11	84	166148	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.46%
26) 1,2-Dichloroethane-d4	5.74	65	114786	47.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.42%
32) Benzene-d6	5.76	84	368768	49.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.72	67	119468	49.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.58%
41) Toluene-d8	7.93	98	332798	48.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.88%
43) trans-1,3-Dichloropropene-	8.20	79	52486	47.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.14%
47) 2-Hexanone-d5	8.66	63	115043	98.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.07%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	160612	47.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.96%
64) 1,2-Dichlorobenzene-d4	12.21	152	96972	52.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.78%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1501	0.848 ug/L #	23
12) 1,1-Dichloroethene	2.60	96	2336	1.304 ug/L #	1
20) cis-1,2-Dichloroethene	4.71	96	11569	5.378 ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	3184	1.160 ug/L #	73
34) Trichloroethene	6.57	95	69944	35.176 ug/L	98
59) 1,2,3-Trichloropropane	11.83	75	14543	5.190 ug/L	94
69) Naphthalene	14.12	128	2138	0.829 ug/L #	94

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



#10

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

Concen: 0.848 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU036886.D

Acq: 24 Feb 2020 16:28

Instrument :

MSVOA_U

ClientSampleId :

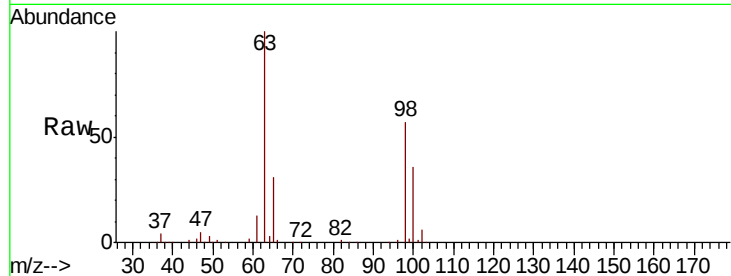
Tot Ion:101 Resp: 1501

Ion Ratio Lower Upper

101 100

85 0.0 36.4 54.6#

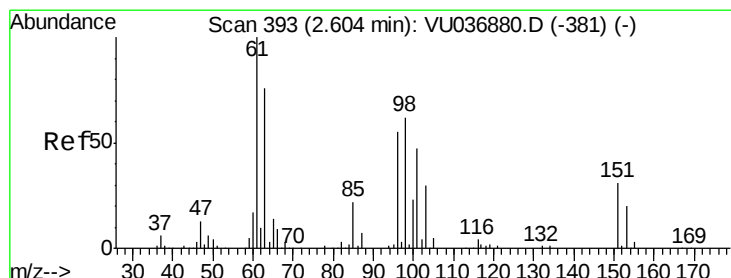
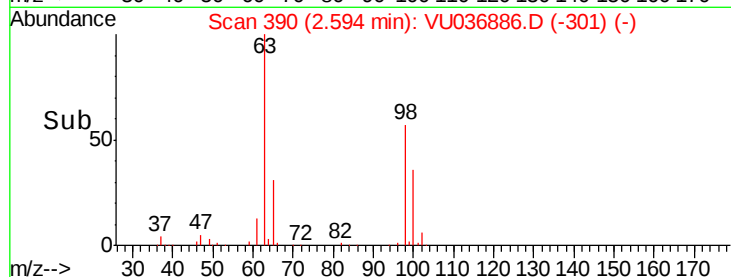
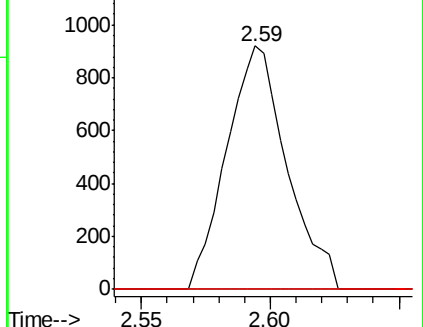
151 0.0 52.4 78.6#



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: 1.304 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU036886.D

Acq: 24 Feb 2020 16:28

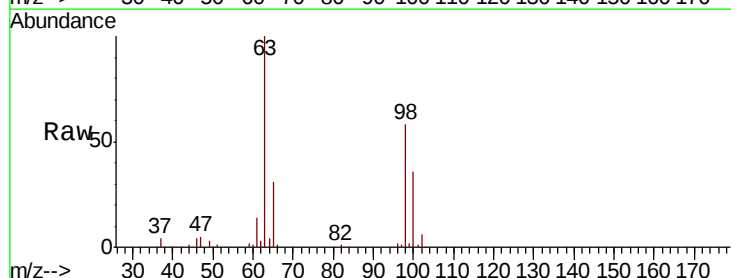
Tgt Ion: 96 Resp: 2336

Ion Ratio Lower Upper

96 100

61 715.1 127.5 236.7#

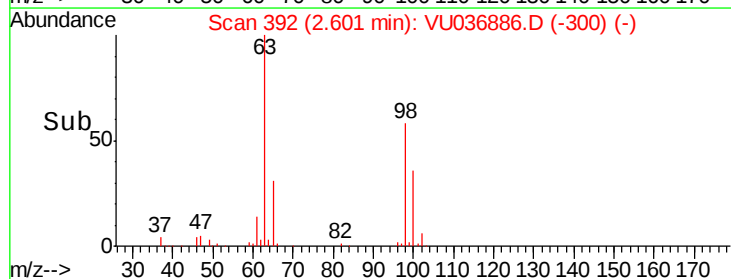
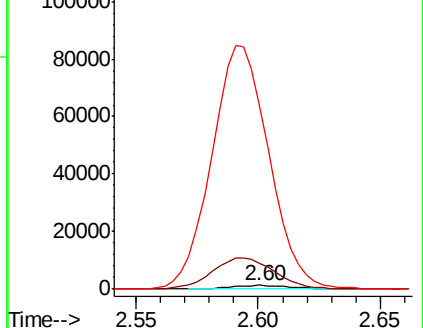
63 5077.2 101.4 188.2#

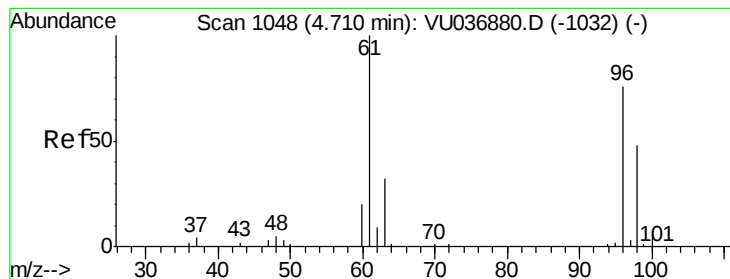


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 5.378 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036886.D

Acq: 24 Feb 2020 16:28

Instrument :

MSVOA_U

ClientSampleId :

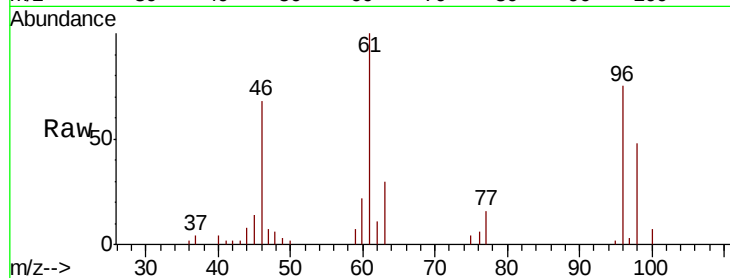
Tot Ion: 96 Resp: 11569

Ion Ratio Lower Upper

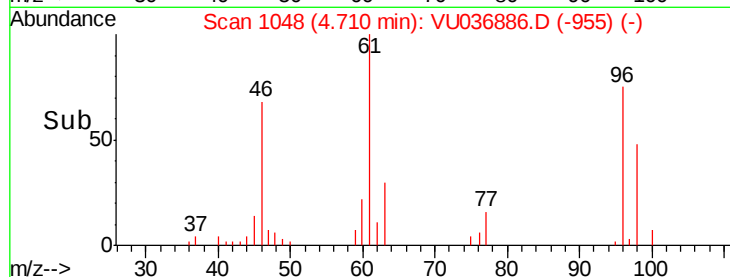
96 100

61 133.2 93.1 172.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036886.D (-955) (-)



Ion 61.00 (60.70 to 61.70): VU036886.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU036886.D (-955) (-)

Time-->

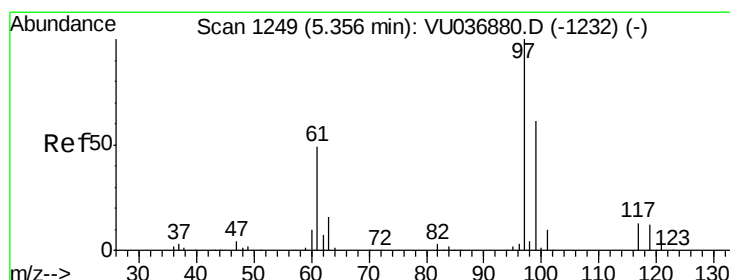
4.65 4.70 4.75

6000

4000

2000

0



#30

1,1,1-Trichloroethane

Concen: 1.160 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU036886.D

Acq: 24 Feb 2020 16:28

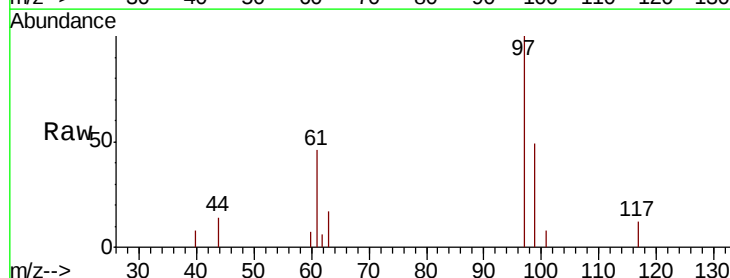
Tgt Ion: 97 Resp: 3184

Ion Ratio Lower Upper

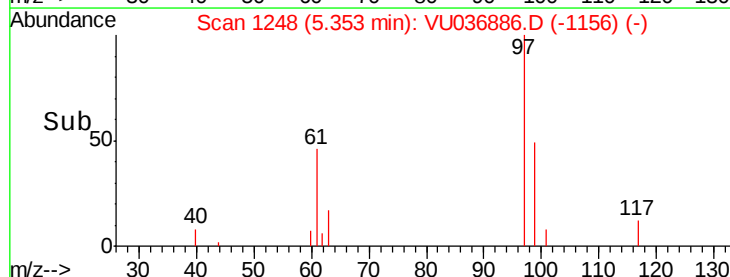
97 100

99 26.8 50.4 75.6#

61 49.2 40.3 60.5



Abundance Ion 97.00 (96.70 to 97.70): VU036886.D (-1156) (-)



Ion 99.00 (98.70 to 99.70): VU036886.D (-1156) (-)

Ion 61.05 (60.75 to 61.75): VU036886.D (-1156) (-)

Time-->

5.30 5.35 5.40

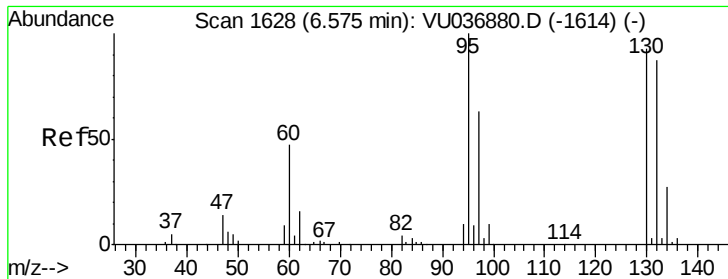
2000

1500

1000

500

0



#34

Trichloroethene

Concen: 35.176 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036886.D

Acq: 24 Feb 2020 16:28

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 69944

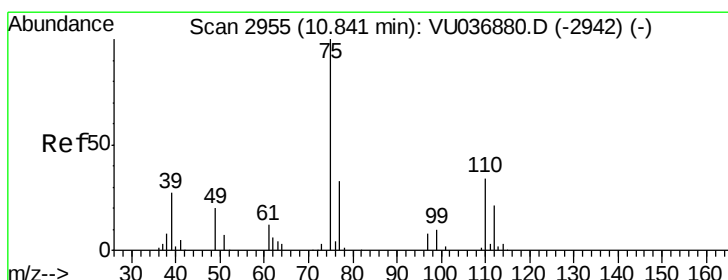
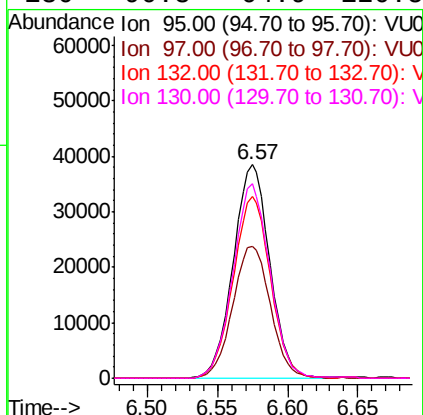
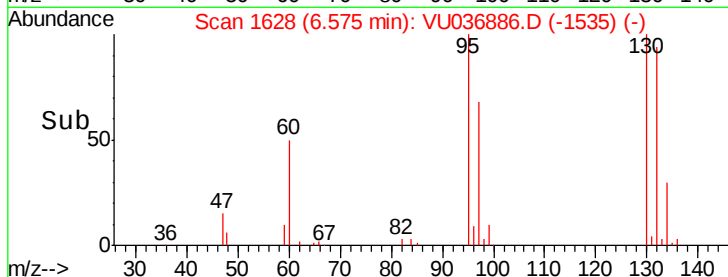
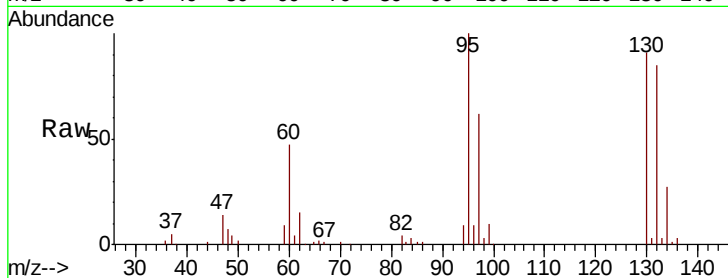
Ion Ratio Lower Upper

95 100

97 62.0 44.1 81.9

132 84.9 60.6 112.6

130 90.8 64.9 120.5



#59

1,2,3-Trichloropropane

Concen: 5.190 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU036886.D

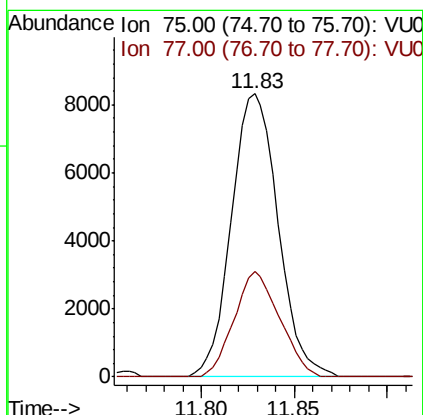
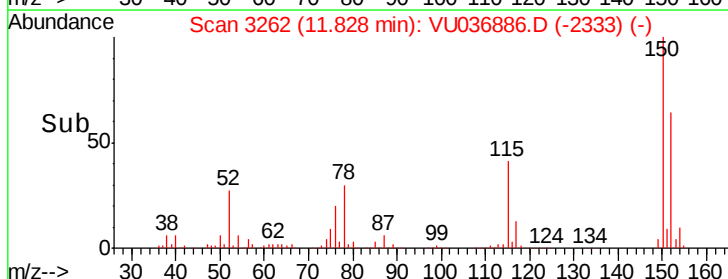
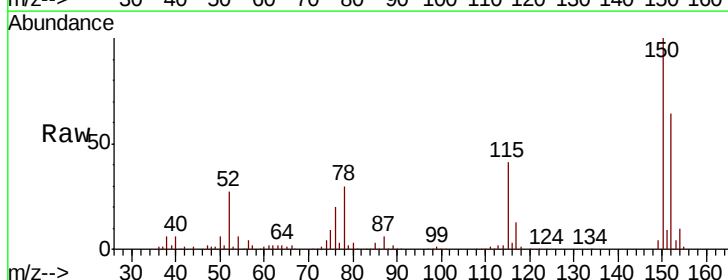
Acq: 24 Feb 2020 16:28

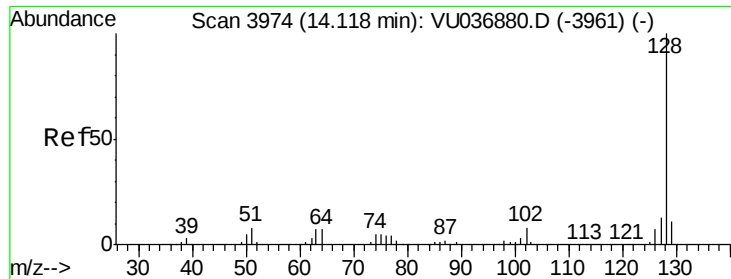
Tgt Ion: 75 Resp: 14543

Ion Ratio Lower Upper

75 100

77 36.3 26.2 39.2





#69

Naphthalene

Concen: 0.829 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.00 min

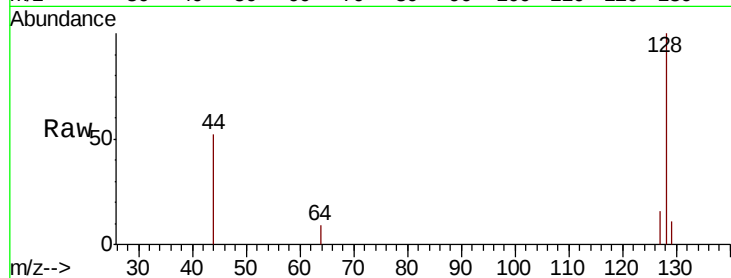
Lab File: VU036886.D

Acq: 24 Feb 2020 16:28

Instrument :

MSVOA_U

ClientSampleId :



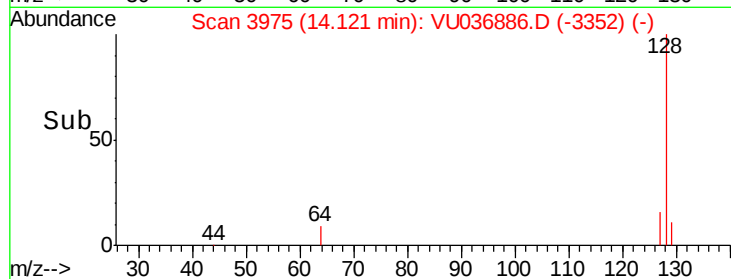
Tot Ion:128 Resp: 2138

Ion Ratio Lower Upper

128 100

127 12.7 11.0 16.4

129 6.9 8.6 12.8#



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

