

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040620\
 Data File : VU037590.D
 Acq On : 06 Apr 2020 15:08
 Operator : JC/MD
 Sample : L2158-08 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0F05

Quant Time: Apr 07 01:43:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 07 00:48:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	171401	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	161488	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	77148	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	57010	40.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.90%
7) Chloroethane-d5	1.91	69	46739	41.79	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.58%
11) 1,1-Dichloroethene-d2	2.58	63	81095	34.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.32%
21) 2-Butanone-d5	4.66	46	97876	93.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.55%
24) Chloroform-d	5.10	84	105229	44.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.74%
26) 1,2-Dichloroethane-d4	5.74	65	69817	44.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.68%
32) Benzene-d6	5.76	84	214371	45.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.62%
36) 1,2-Dichloropropane-d6	6.72	67	72911	46.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.58%
41) Toluene-d8	7.92	98	196215	45.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.20	79	37006	43.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.54%
47) 2-Hexanone-d5	8.65	63	80726	96.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.74%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	109473	48.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.24%
64) 1,2-Dichlorobenzene-d4	12.20	152	72425	46.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.02%

Target Compounds

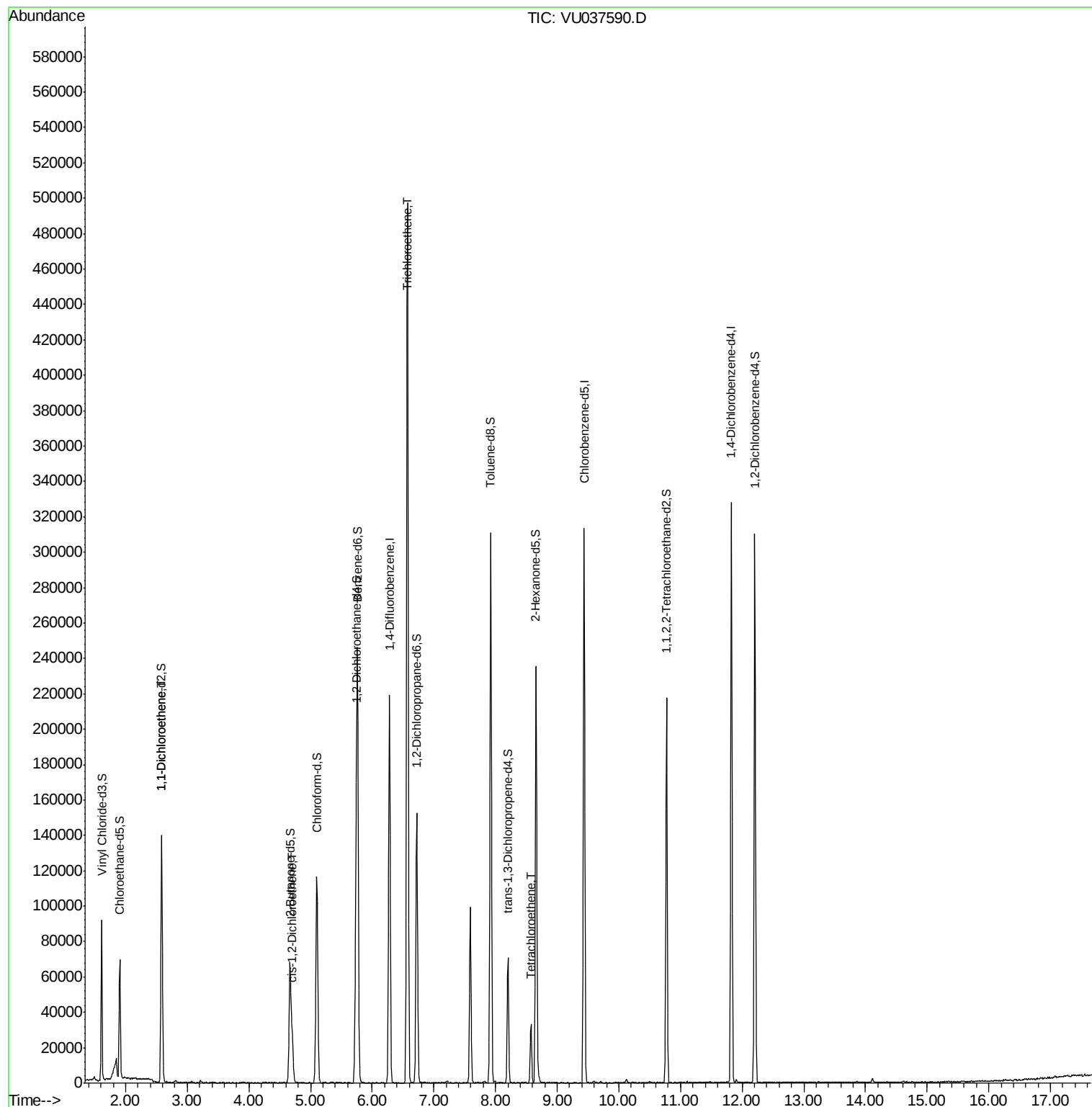
					Ovalue
12) 1,1-Dichloroethene	2.59	96	3154	3.440 ug/L	# 1
20) cis-1,2-Dichloroethene	4.71	96	11773	10.355 ug/L	90
34) Trichloroethene	6.57	95	166280	150.288 ug/L	99
46) Tetrachloroethene	8.57	164	6591	8.872 ug/L	96

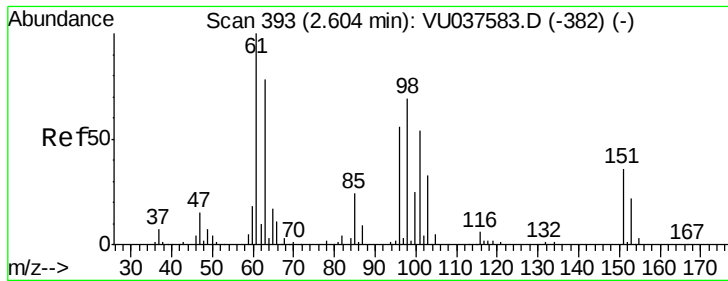
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 3.440 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU037590.D

Acq: 06 Apr 2020 15:08

Instrument :

MSVOA_U

ClientSampleId :

C0F05

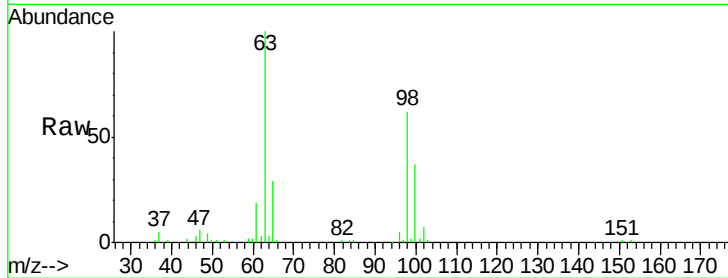
Tot Ion: 96 Resp: 3154

Ion Ratio Lower Upper

96 100

61 350.9 117.2 217.8#

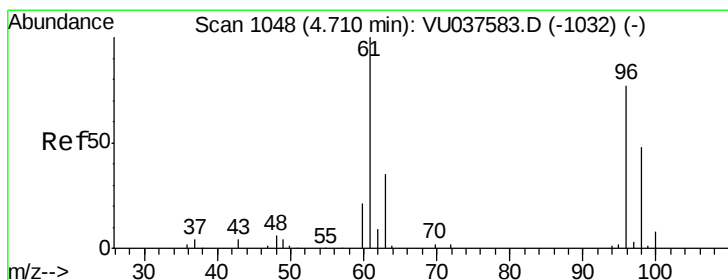
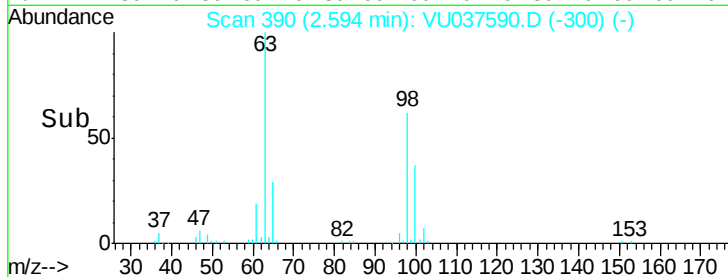
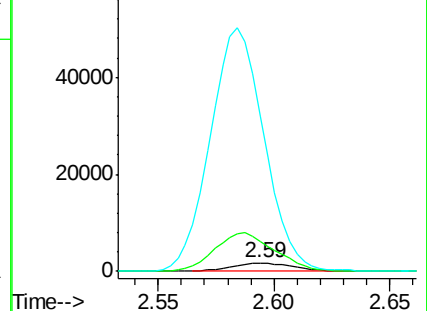
63 1843.5 90.9 168.9#



Abundance Ion 96.00 (95.70 to 96.70): VU037590.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU037590.D (-955) (-)

Ion 63.00 (62.70 to 63.70): VU037590.D (-955) (-)



#20

cis-1,2-Dichloroethene

Concen: 10.355 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037590.D

Acq: 06 Apr 2020 15:08

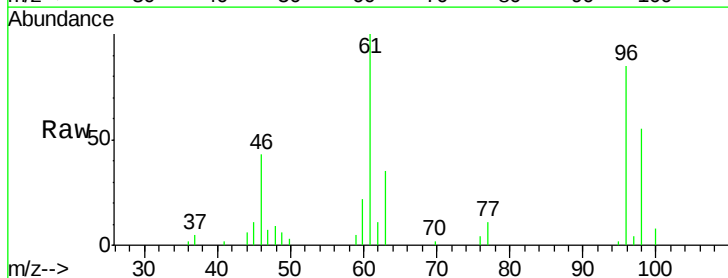
Tgt Ion: 96 Resp: 11773

Ion Ratio Lower Upper

96 100

61 117.8 90.2 167.6

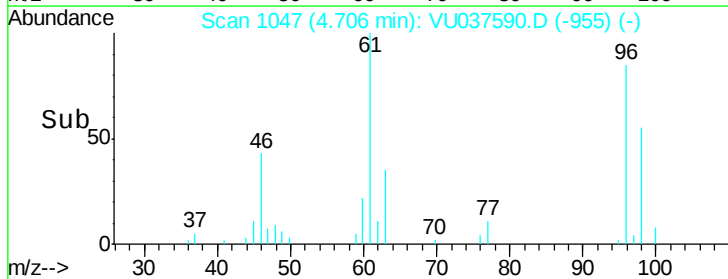
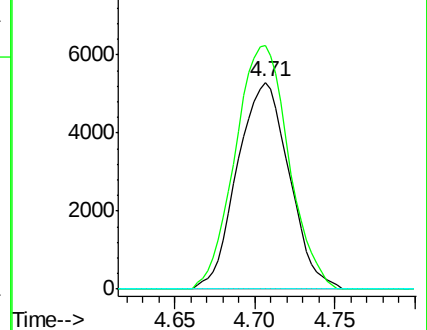
68 0.0 0.0 0.0

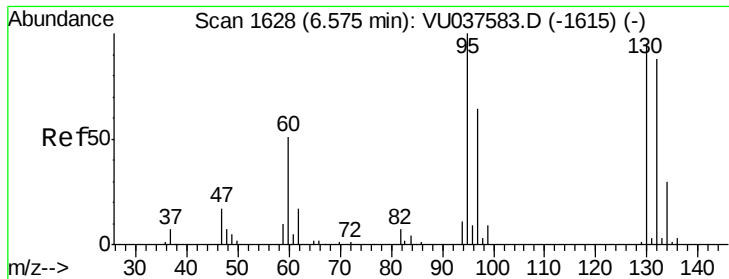


Abundance Ion 96.00 (95.70 to 96.70): VU037590.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU037590.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU037590.D (-955) (-)





#34

Trichloroethene

Concen: 150.288 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037590.D

Acq: 06 Apr 2020 15:08

Instrument :

MSVOA_U

ClientSampleId :

C0F05

Tot Ion: 95 Resp: 166280

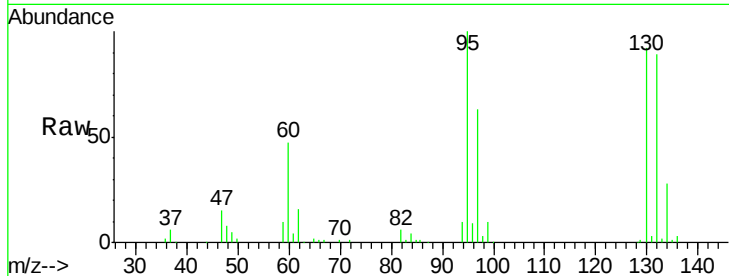
Ion Ratio Lower Upper

95 100

97 62.9 45.2 84.0

132 89.3 63.7 118.3

130 92.1 64.5 119.7

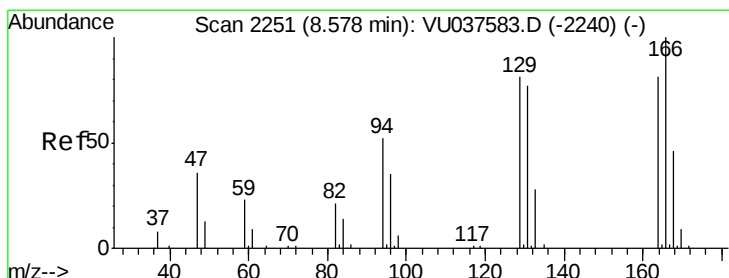
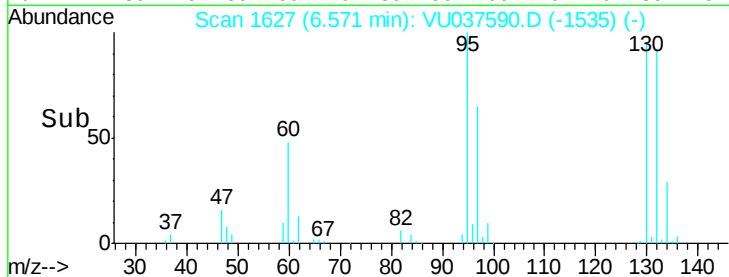
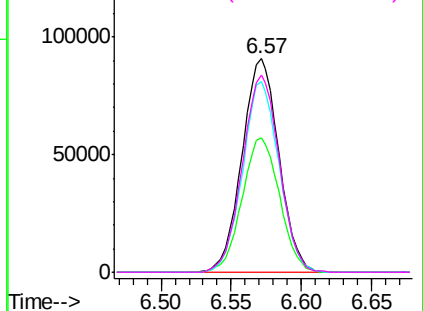


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 8.872 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037590.D

Acq: 06 Apr 2020 15:08

Tgt Ion:164 Resp: 6591

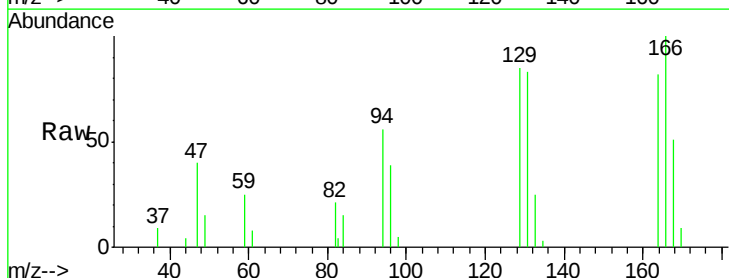
Ion Ratio Lower Upper

164 100

129 103.0 76.5 142.1

131 101.6 71.7 133.1

166 121.8 88.8 165.0



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

