

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050319\
 Data File : VU031743.D
 Acq On : 03 May 2019 12:34
 Operator : JC/SP
 Sample : K2661-18
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B38

Quant Time: May 04 05:55:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 04 02:35:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	852633	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	813366	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	321301	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	362779	50.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.68%
7) Chloroethane-d5	1.68	69	278296	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.94%
11) 1,1-Dichloroethene-d2	2.27	63	549415	38.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.32%
21) 2-Butanone-d5	4.19	46	645946	99.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.91%
24) Chloroform-d	4.65	84	566699	43.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.72%
26) 1,2-Dichloroethane-d4	5.31	65	390765	45.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.54%
32) Benzene-d6	5.34	84	1198306	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
36) 1,2-Dichloropropane-d6	6.33	67	415718	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.62%
41) Toluene-d8	7.56	98	1022213	46.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.98%
43) trans-1,3-Dichloropropene-	7.85	79	165960	44.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.00%
47) 2-Hexanone-d5	8.31	63	404378	106.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	529049	44.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.72%
64) 1,2-Dichlorobenzene-d4	11.86	152	317463	46.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.96%

Target Compounds

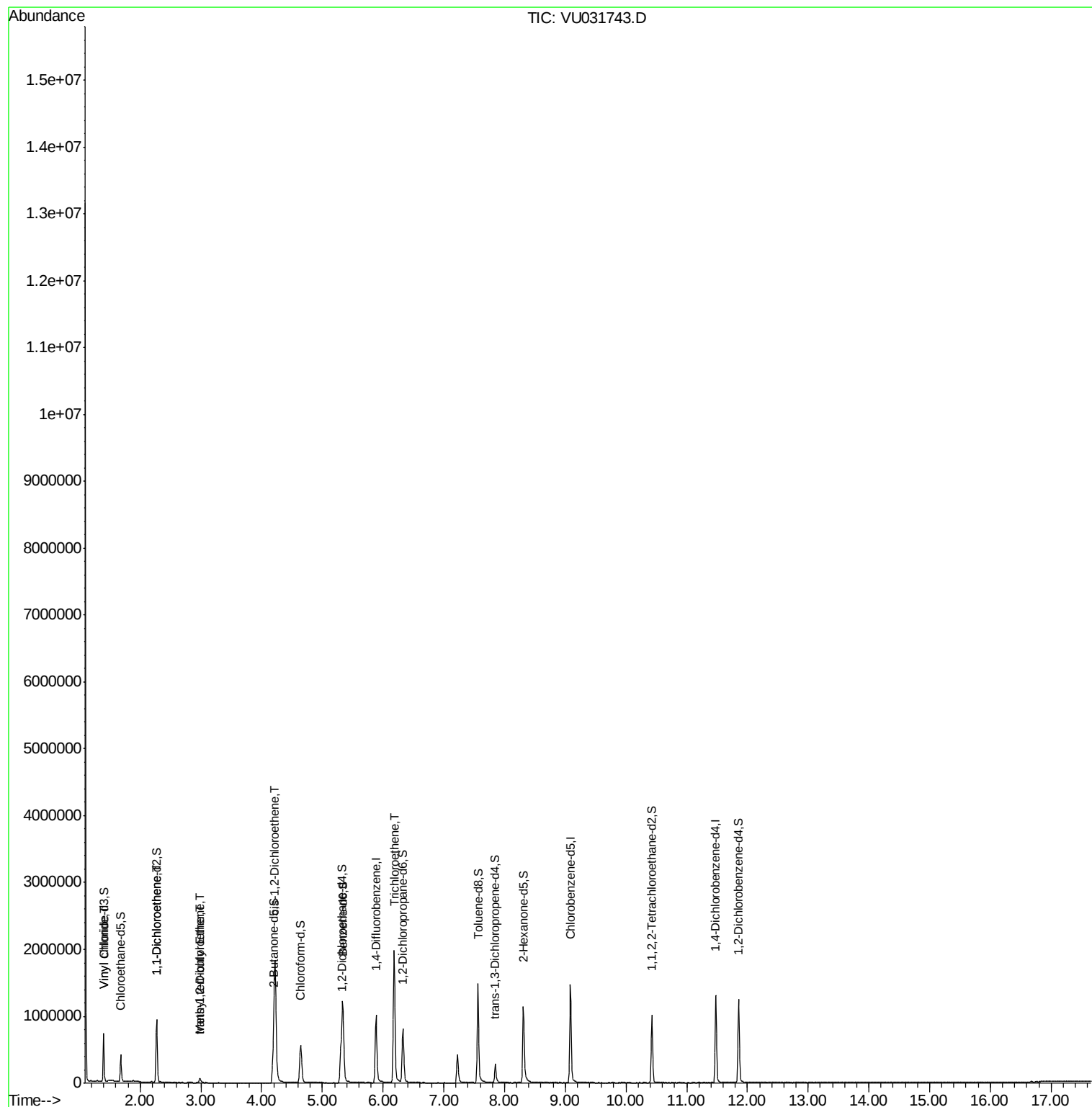
					Ovalue
5) Vinyl chloride	1.40	62	157527	14.853	ug/L 96
12) 1,1-Dichloroethene	2.28	96	44519	6.692	ug/L # 1
17) trans-1,2-Dichloroethene	2.98	96	22323	3.220	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	11606	0.526	ug/L # 80
20) cis-1,2-Dichloroethene	4.22	96	921868	123.982	ug/L 96
34) Trichloroethene	6.18	95	750962	103.597	ug/L 96

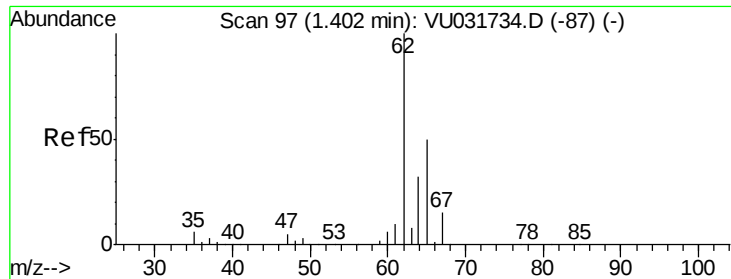
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat May 04 02:35:16 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 14.853 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU031743.D

Acq: 03 May 2019 12:34

Instrument :

MSVOA_U

ClientSampled :

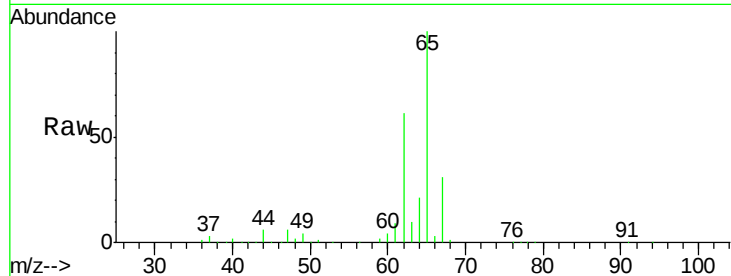
C0B38

Tot Ion: 62 Resp: 157527

Ion Ratio Lower Upper

62 100

64 35.1 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

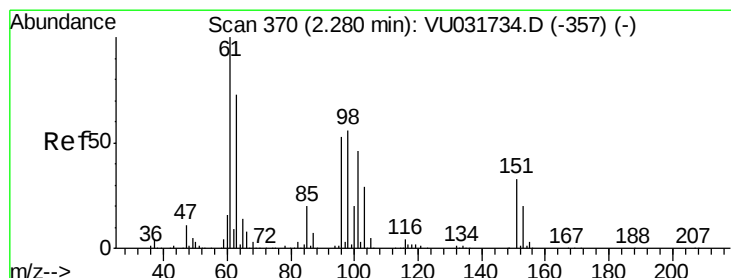
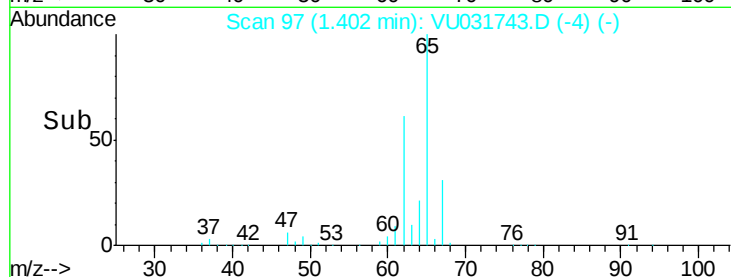
150000

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 6.692 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031743.D

Acq: 03 May 2019 12:34

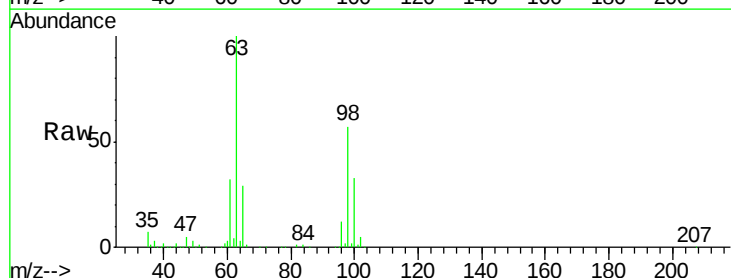
Tgt Ion: 96 Resp: 44519

Ion Ratio Lower Upper

96 100

61 265.7 135.0 250.6#

63 838.3 103.5 192.3#



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

400000

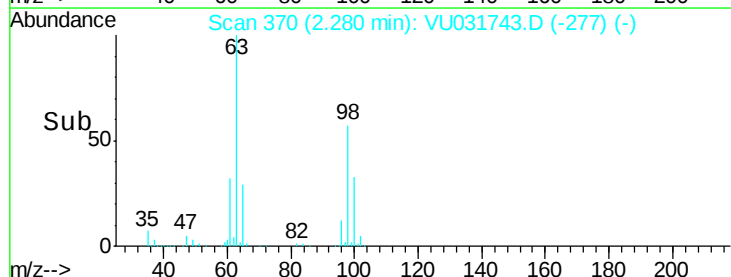
300000

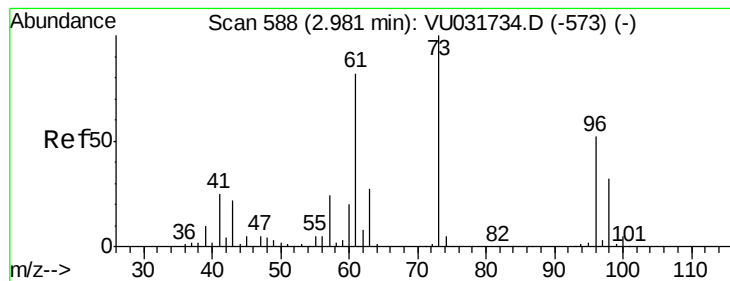
200000

100000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 3.220 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU031743.D

Acq: 03 May 2019 12:34

Instrument :

MSVOA_U

ClientSampleId :

C0B38

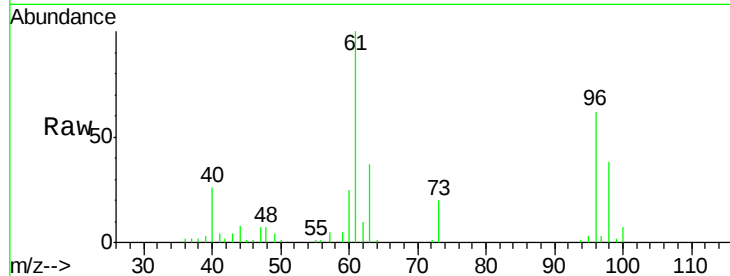
Tot Ion: 96 Resp: 22323

Ion Ratio Lower Upper

96 100

61 161.2 114.5 212.7

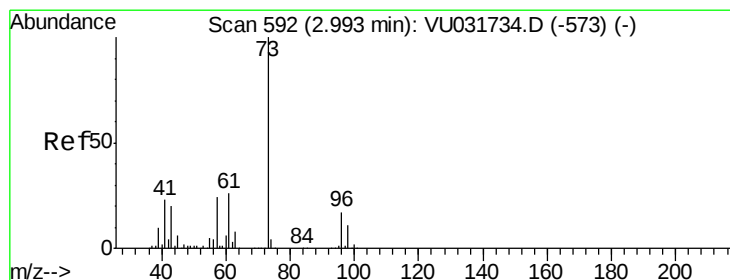
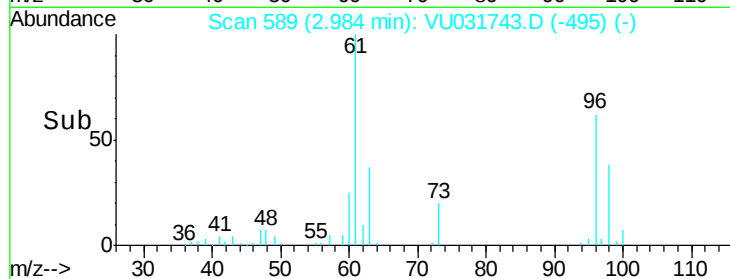
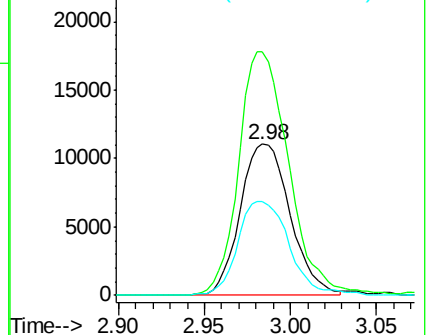
98 61.7 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU031743.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU031743.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU031743.D (-573) (-)



#18

Methyl tert-butyl Ether

Concen: 0.526 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.01 min

Lab File: VU031743.D

Acq: 03 May 2019 12:34

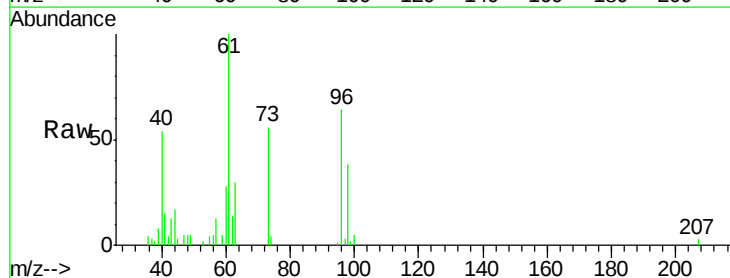
Tgt Ion: 73 Resp: 11606

Ion Ratio Lower Upper

73 100

43 9.9 17.0 25.4#

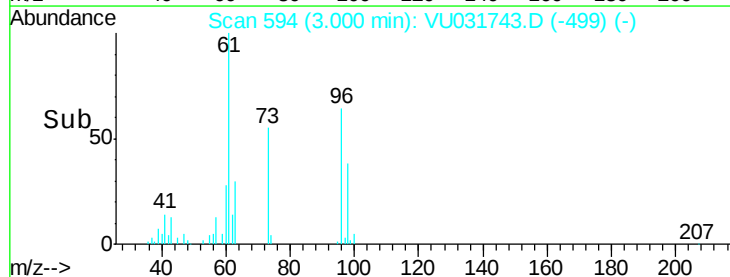
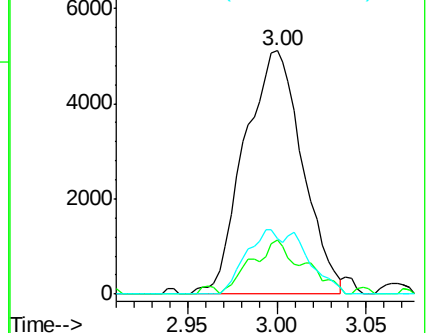
57 16.2 19.5 29.3#

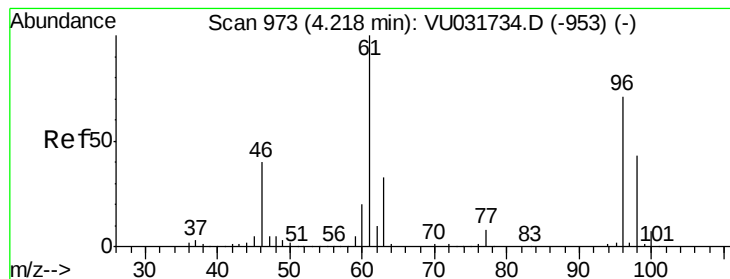


Abundance Ion 73.00 (72.70 to 73.70): VU031734.D (-573) (-)

Ion 43.00 (42.70 to 43.70): VU031734.D (-573) (-)

Ion 57.00 (56.70 to 57.70): VU031734.D (-573) (-)



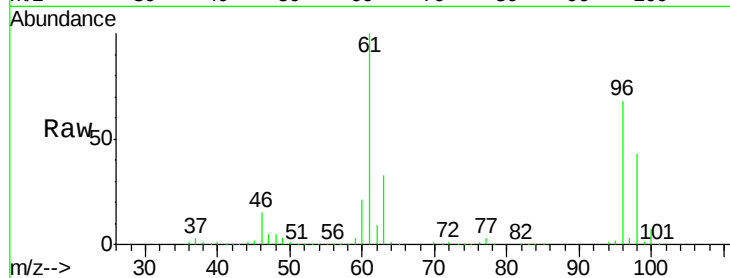


#20

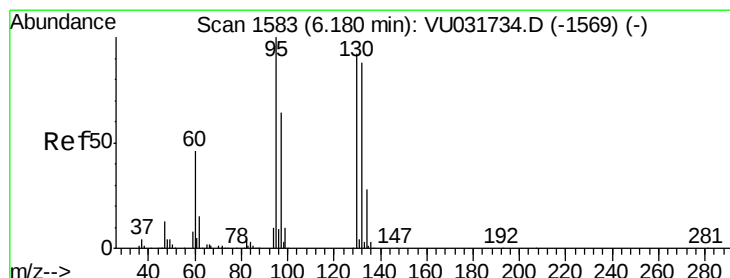
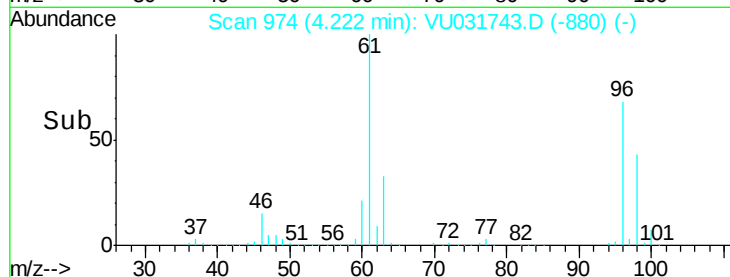
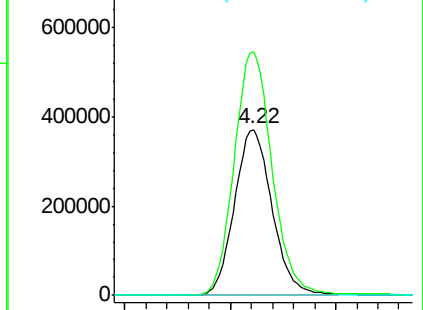
cis-1,2-Dichloroethene
 Concen: 123.982 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031743.D
 Acq: 03 May 2019 12:34

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B38

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.0	99.5	184.7
68	0.0	0.0	0.0



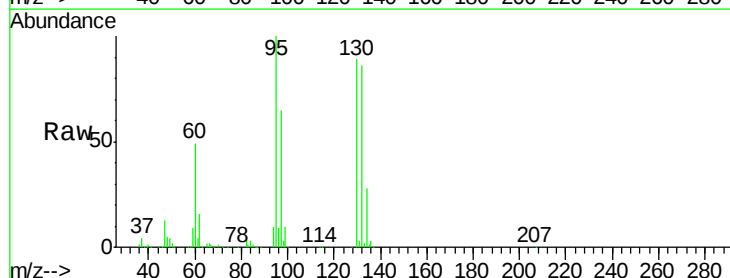
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



#34

Trichloroethene
 Concen: 103.597 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU031743.D
 Acq: 03 May 2019 12:34

Tgt Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.8	83.2
132	86.2	63.1	117.1
130	89.5	66.5	123.5



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

