

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031019.D
 Acq On : 10 Apr 2019 18:26
 Operator : JC/SP
 Sample : K2249-12DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD6DL

Quant Time: Apr 11 05:59:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 05:17:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	452556	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	442466	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	180716	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	216806	53.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.34%
7) Chloroethane-d5	1.68	69	172843	56.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.74%
11) 1,1-Dichloroethene-d2	2.27	63	302675	41.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.84%
21) 2-Butanone-d5	4.17	46	354905	110.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.85%
24) Chloroform-d	4.64	84	342866	55.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.12%
26) 1,2-Dichloroethane-d4	5.30	65	240490	57.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.22%
32) Benzene-d6	5.34	84	708359	54.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.68%
36) 1,2-Dichloropropane-d6	6.33	67	239055	54.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.00%
41) Toluene-d8	7.56	98	597024	52.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.30%
43) trans-1,3-Dichloropropene-	7.85	79	101069	50.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.14%
47) 2-Hexanone-d5	8.31	63	200937	99.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	329410	55.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.34%
64) 1,2-Dichlorobenzene-d4	11.85	152	207077	58.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.52%

Target Compounds

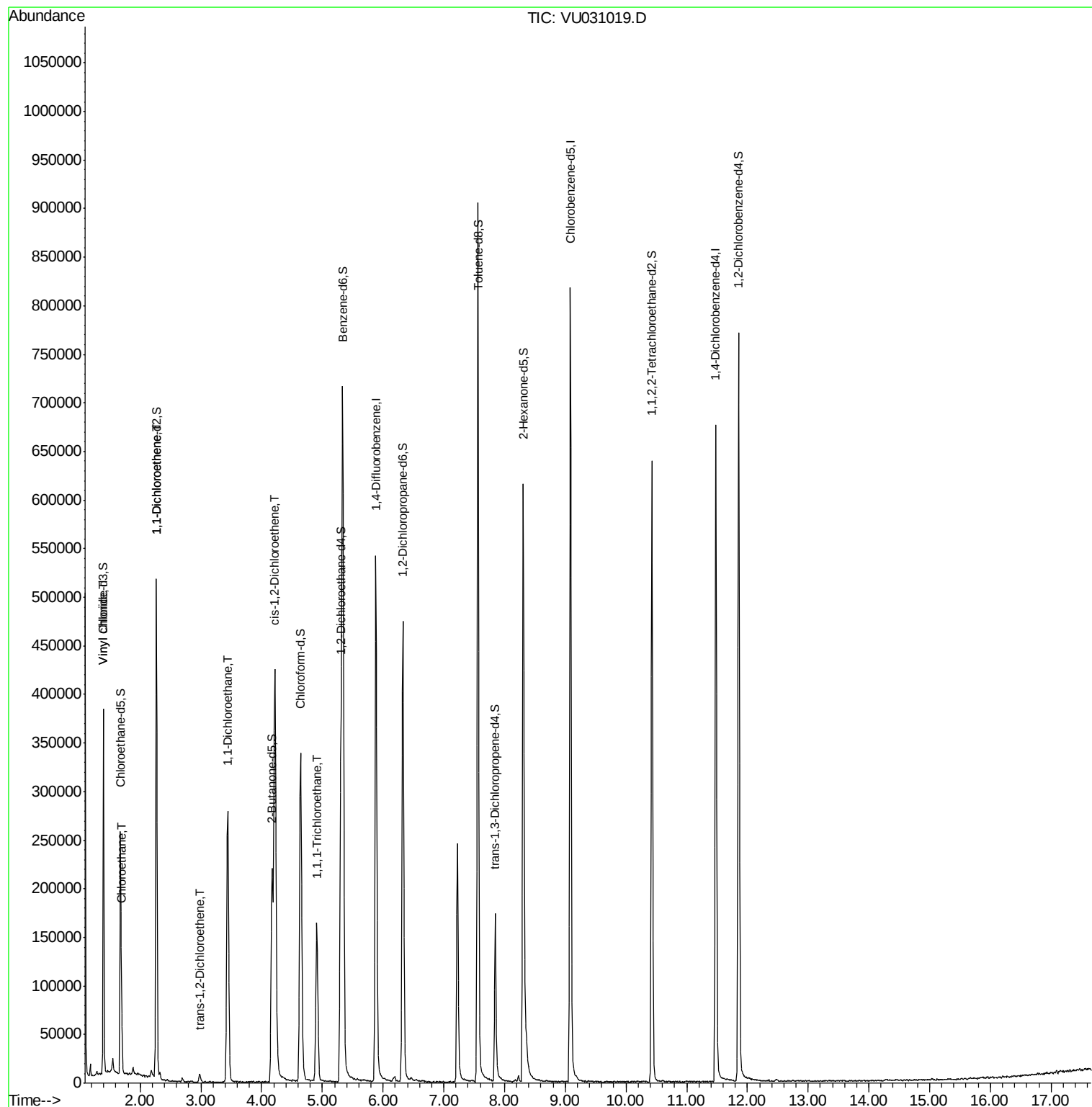
					Ovalue
5) Vinyl chloride	1.40	62	25289	5.081 ug/L #	72
8) Chloroethane	1.70	64	26578	9.362 ug/L	100
12) 1,1-Dichloroethene	2.28	96	5614	1.795 ug/L #	1
17) trans-1,2-Dichloroethene	2.99	96	3316	0.998 ug/L #	68
19) 1,1-Dichloroethane	3.44	63	314727	45.914 ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	226546	61.770 ug/L	93
30) 1,1,1-Trichloroethane	4.91	97	125665	23.304 ug/L	99

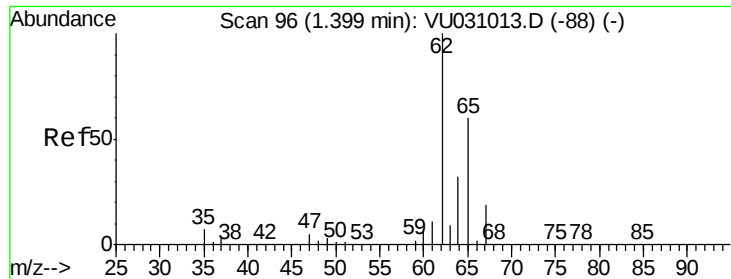
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 11 05:17:40 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.081 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031019.D

Acq: 10 Apr 2019 18:26

Instrument :

MSVOA_U

ClientSampleId :

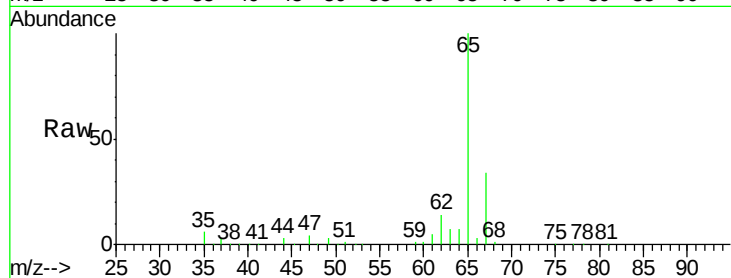
E3YD6DL

Tot Ion: 62 Resp: 25289

Ion Ratio Lower Upper

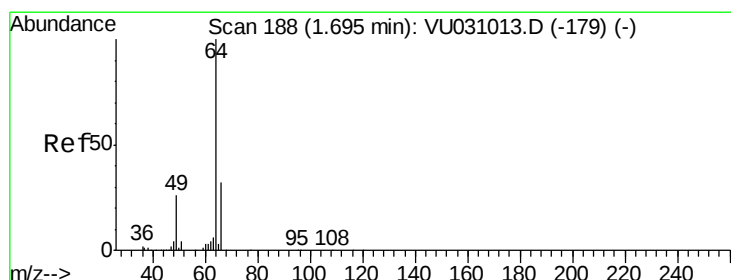
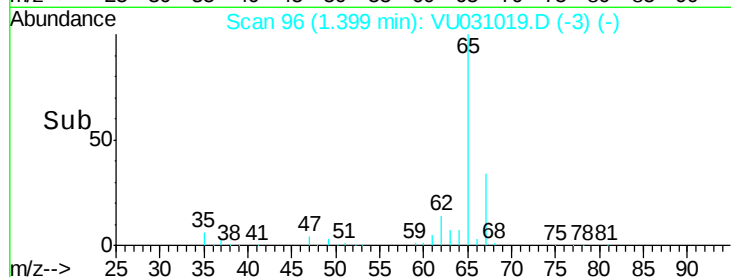
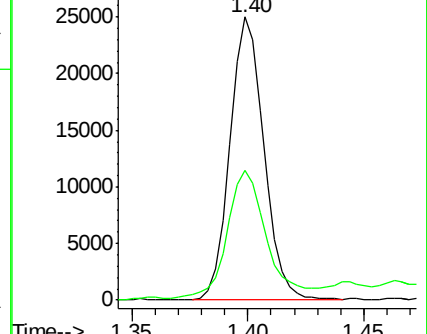
62 100

64 45.9 21.5 39.9#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 9.362 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031019.D

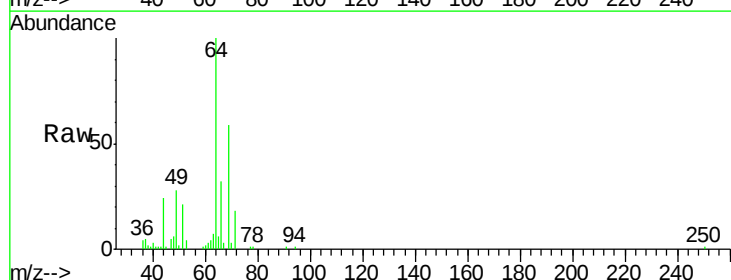
Acq: 10 Apr 2019 18:26

Tgt Ion: 64 Resp: 26578

Ion Ratio Lower Upper

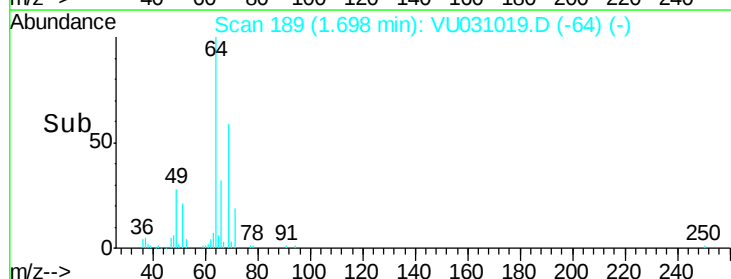
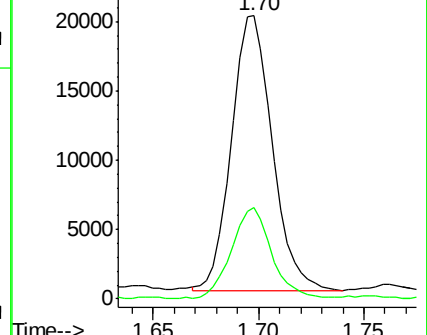
64 100

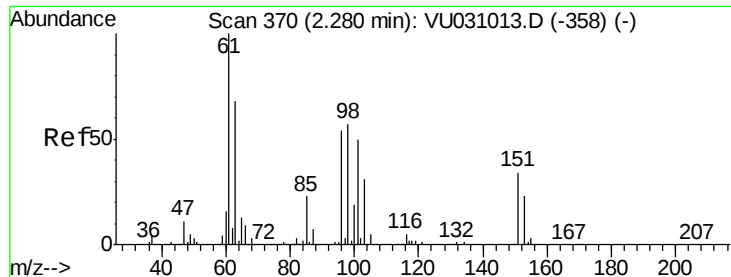
66 32.1 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#12

1,1-Dichloroethene

Concen: 1.795 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU031019.D

Acq: 10 Apr 2019 18:26

Instrument :

MSVOA_U

ClientSampleId :

E3YD6DL

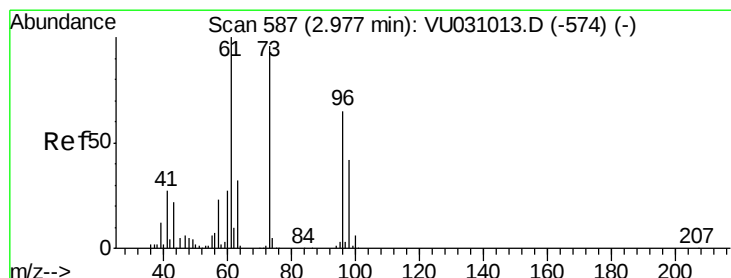
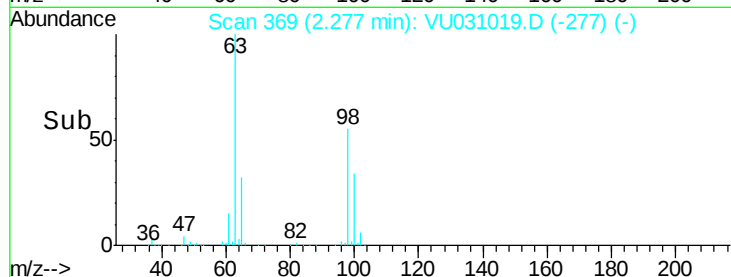
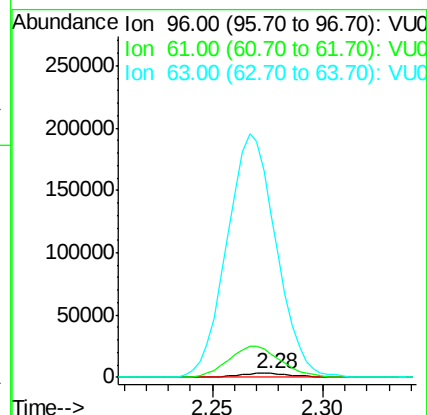
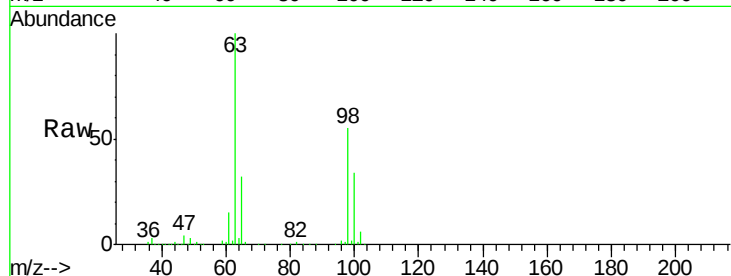
Tot Ion: 96 Resp: 5614

Ion Ratio Lower Upper

96 100

61 594.6 132.0 245.2#

63 4086.9 90.9 168.9#



#17

trans-1,2-Dichloroethene

Concen: 0.998 ug/L

RT: 2.99 min Scan# 591

Delta R.T. 0.01 min

Lab File: VU031019.D

Acq: 10 Apr 2019 18:26

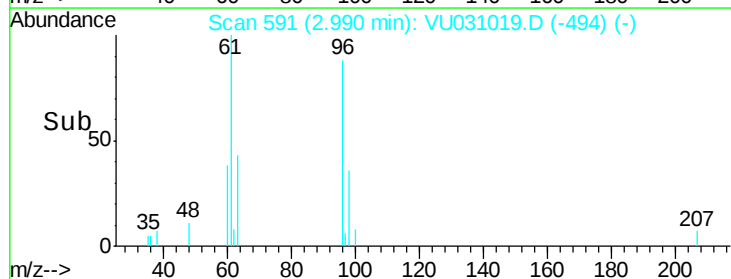
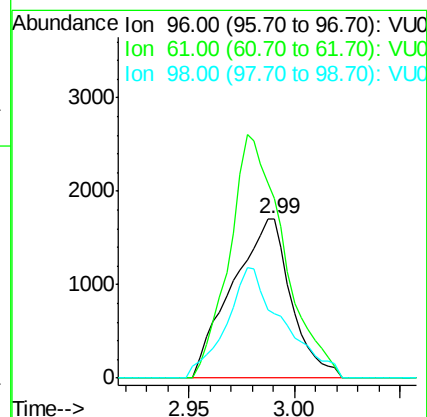
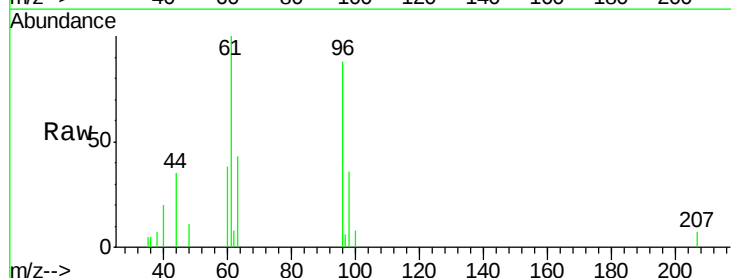
Tgt Ion: 96 Resp: 3316

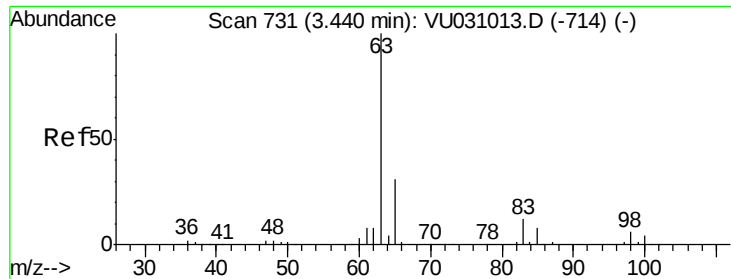
Ion Ratio Lower Upper

96 100

61 113.0 109.5 203.3

98 40.5 44.0 81.6#

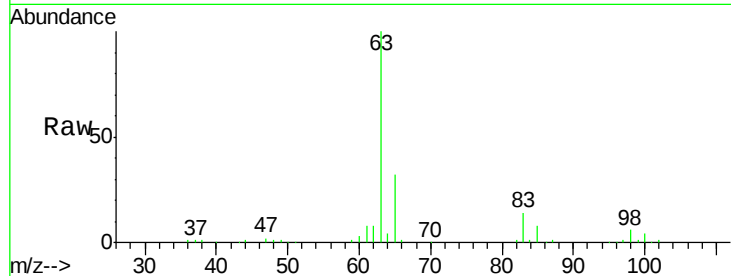




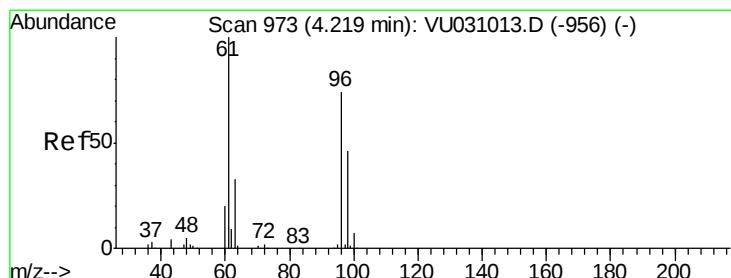
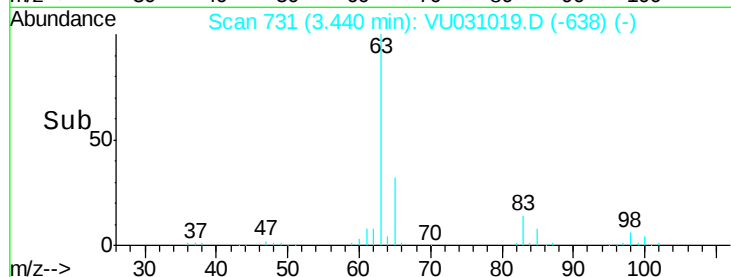
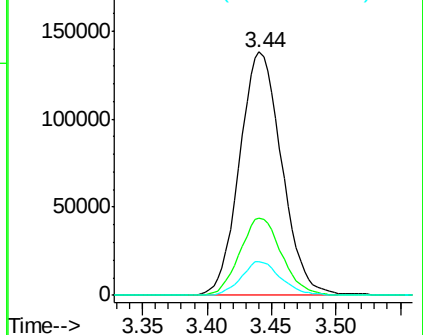
#19
 1,1-Dichloroethane
 Concen: 45.914 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031019.D
 Acq: 10 Apr 2019 18:26

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD6DL

Tot Ion: 63 Resp: 314727
 Ion Ratio Lower Upper
 63 100
 65 31.8 21.4 39.8
 83 14.0 8.5 15.7

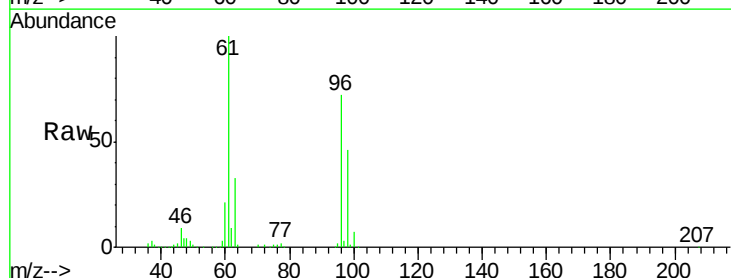


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

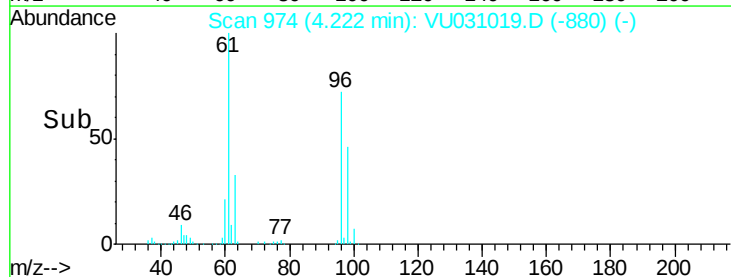
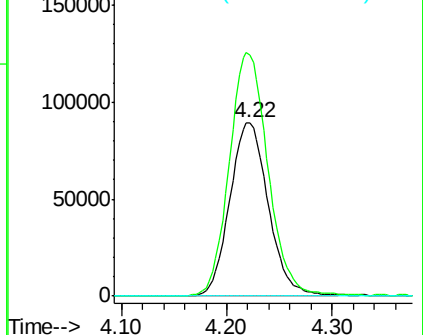


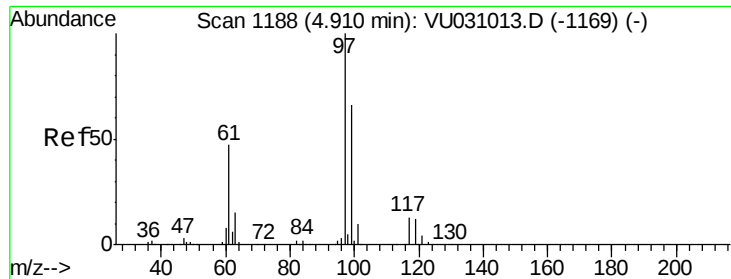
#20
 cis-1,2-Dichloroethene
 Concen: 61.770 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031019.D
 Acq: 10 Apr 2019 18:26

Tgt Ion: 96 Resp: 226546
 Ion Ratio Lower Upper
 96 100
 61 138.8 102.9 191.1
 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





#30

1,1,1-Trichloroethane

Concen: 23.304 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU031019.D

Acq: 10 Apr 2019 18:26

Instrument :

MSVOA_U

ClientSampleId :

E3YD6DL

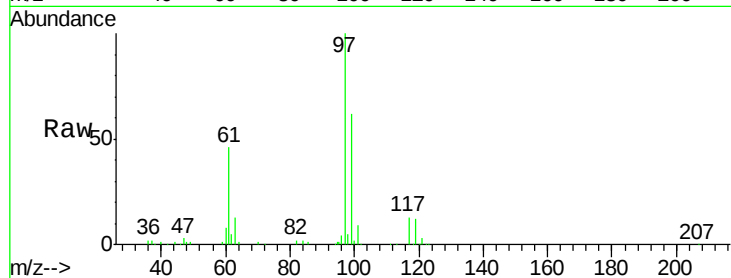
Tot Ion: 97 Resp: 125665

Ion Ratio Lower Upper

97 100

99 63.4 51.4 77.2

61 45.8 37.1 55.7



Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

