

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041019\
 Data File : VU030983.D
 Acq On : 10 Apr 2019 02:44
 Operator : JC/SP
 Sample : K2248-14DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YC3DL

Quant Time: Apr 10 06:05:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 10 04:30:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	208984	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	206880	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	82354	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	63426	3.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.40%
7) Chloroethane-d5	1.68	69	65197	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.27	63	99456	3.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.80%
20) 2-Butanone-d5	4.18	46	272072	66.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.24%#
24) Chloroform-d	4.64	84	124080	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.31	65	82337	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.60%
32) Benzene-d6	5.33	84	243175	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	6.33	67	89242	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.56	98	178659	3.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.40%
43) trans-1,3-Dichloropropene-	7.85	79	28282	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.31	63	165785	56.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	79976	6.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	122.20%#
64) 1,2-Dichlorobenzene-d4	11.86	152	70161	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

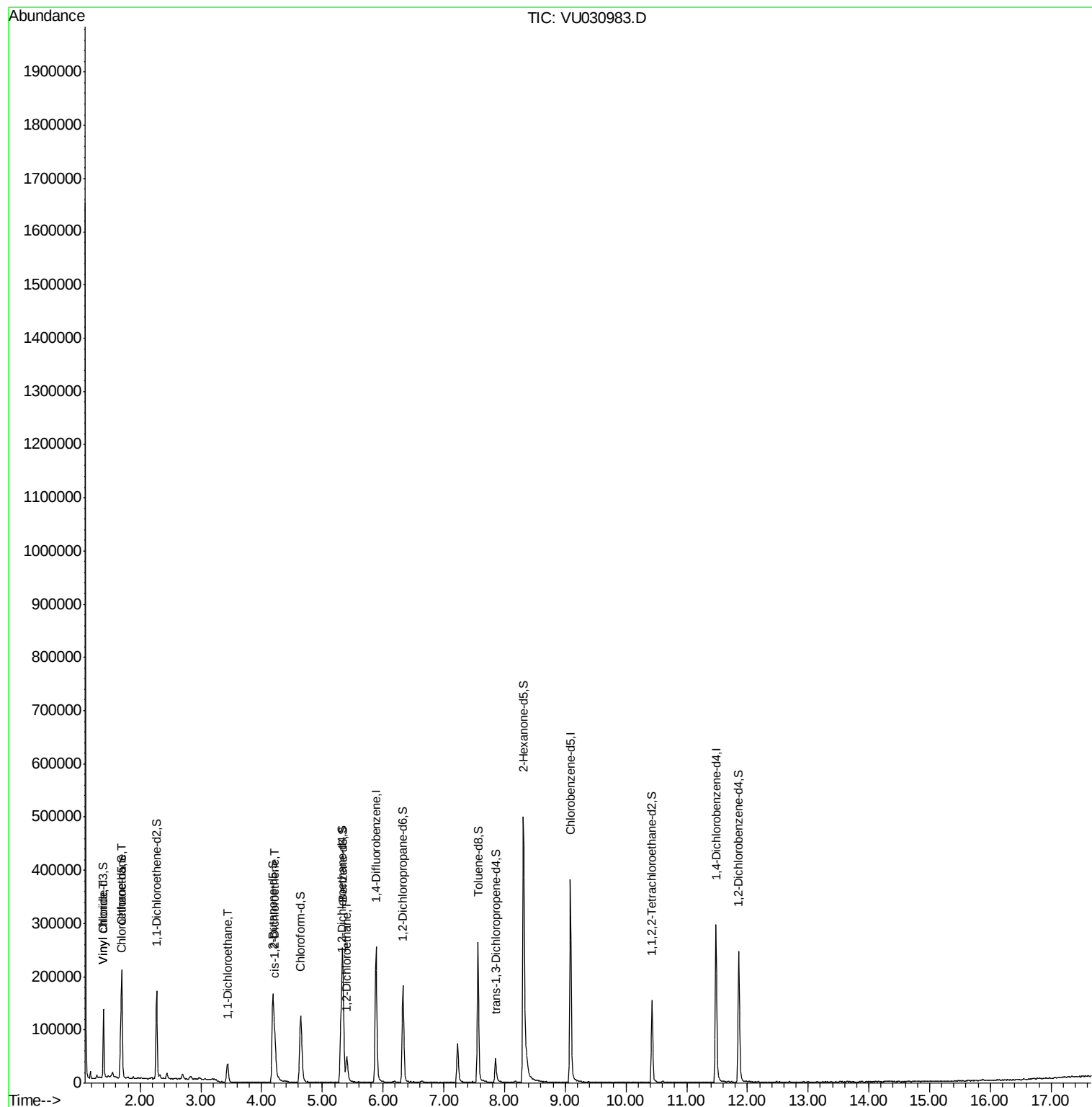
					Ovalue
5) Vinyl chloride	1.40	62	24835	0.993 ug/L	86
8) Chloroethane	1.70	64	120994	8.506 ug/L	99
19) 1,1-Dichloroethane	3.44	63	38434	1.129 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	23826	1.388 ug/L	99
27) 1,2-Dichloroethane	5.40	62	39346	1.953 ug/L	97

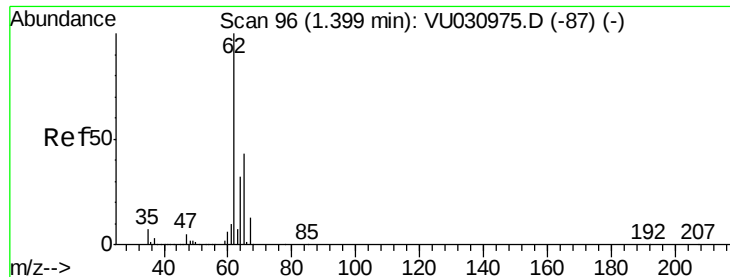
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.993 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU030983.D

Acq: 10 Apr 2019 02:44

Instrument :

MSVOA_U

ClientSampleId :

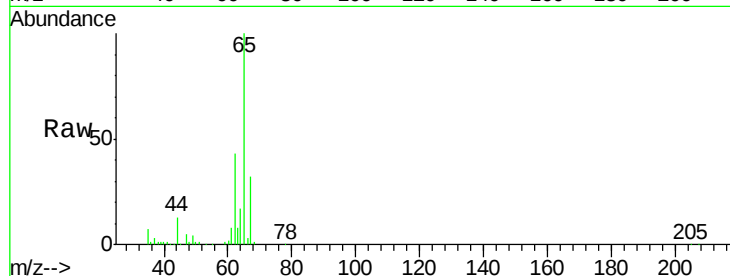
E3YC3DL

Tot Ion: 62 Resp: 24835

Ion Ratio Lower Upper

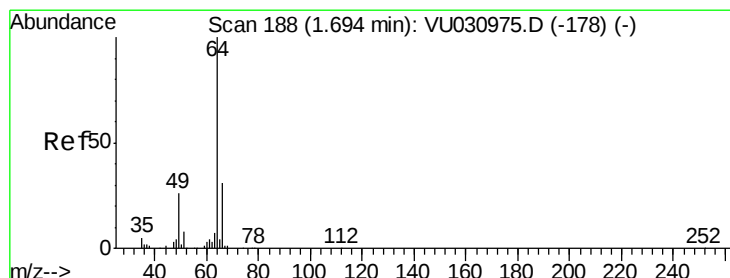
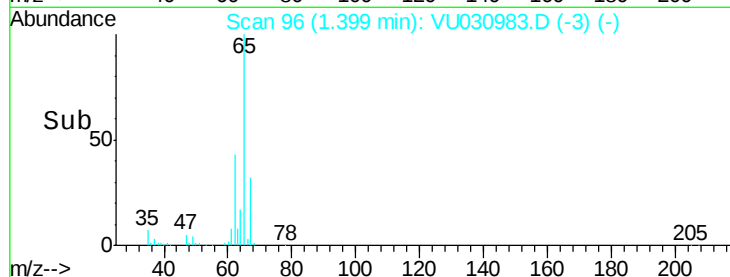
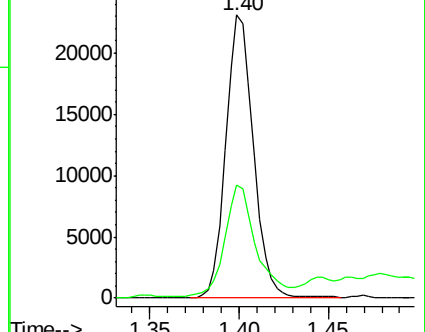
62 100

64 40.0 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU030983.D (-3) (-)

Ion 64.10 (63.80 to 64.80): VU030983.D (-3) (-)



#8

Chloroethane

Concen: 8.506 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030983.D

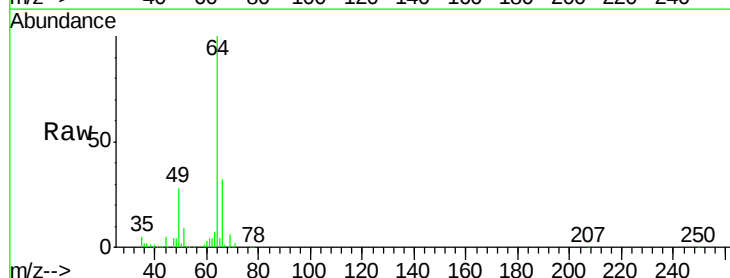
Acq: 10 Apr 2019 02:44

Tgt Ion: 64 Resp: 120994

Ion Ratio Lower Upper

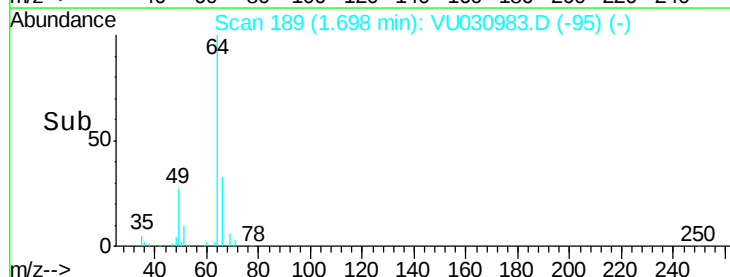
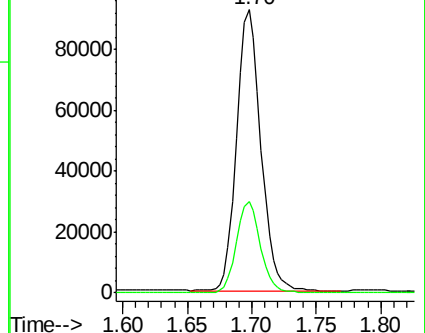
64 100

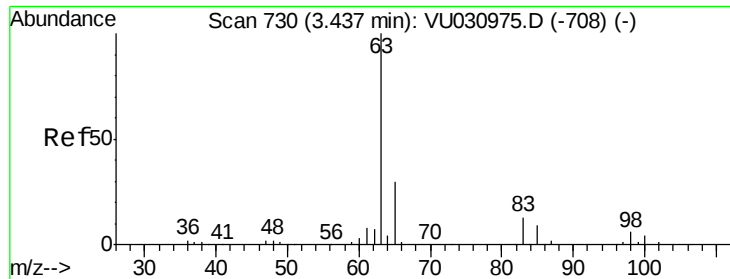
66 32.1 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU030983.D (-95) (-)

Ion 66.05 (65.75 to 66.75): VU030983.D (-95) (-)

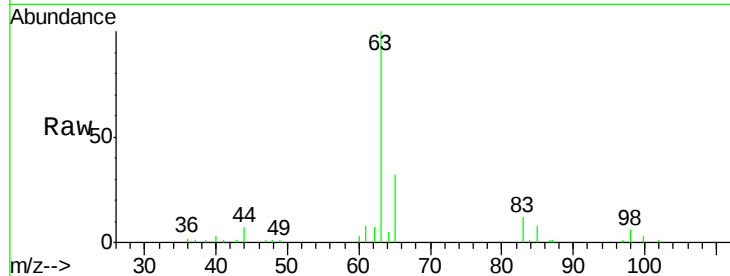




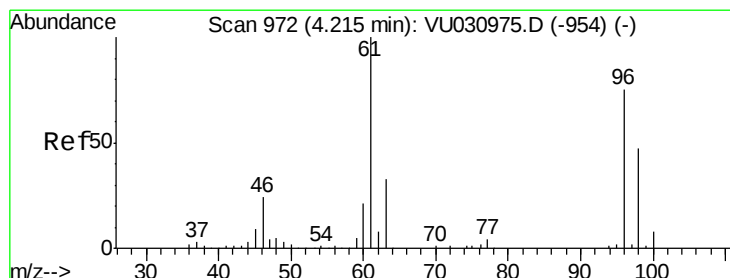
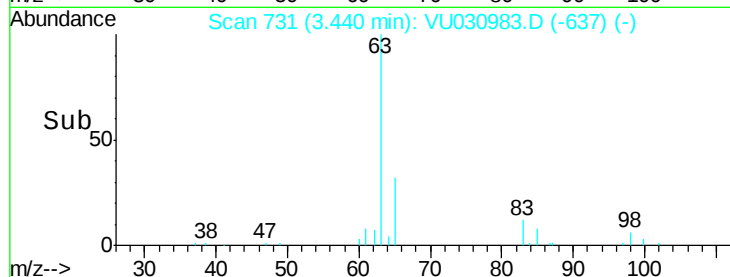
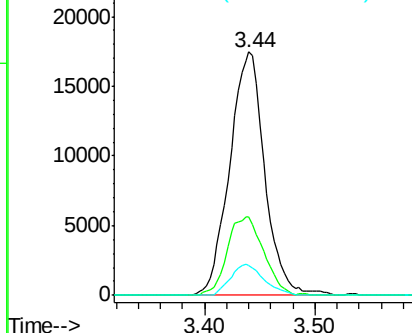
#19
 1,1-Dichloroethane
 Concen: 1.129 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU030983.D
 Acq: 10 Apr 2019 02:44

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YC3DL

Tot Ion: 63 Resp: 38434
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.6 40.0
 83 12.3 9.1 16.9

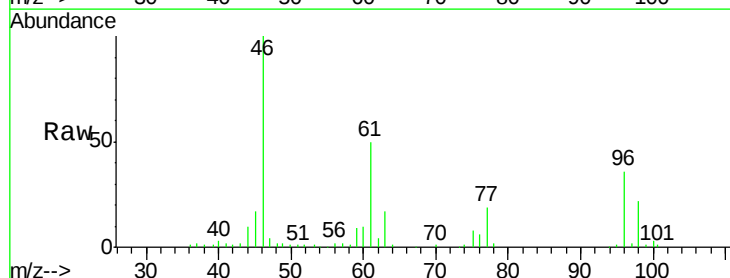


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

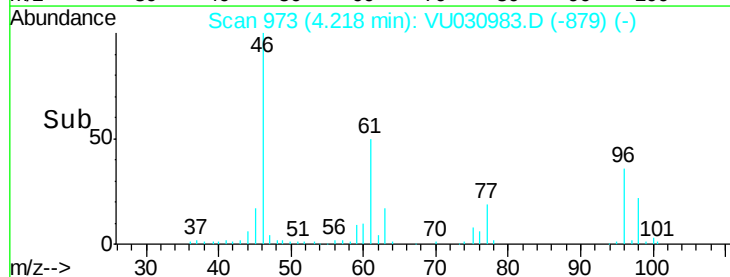
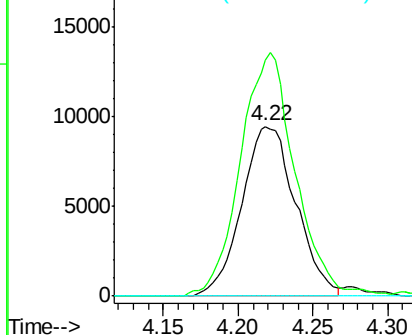


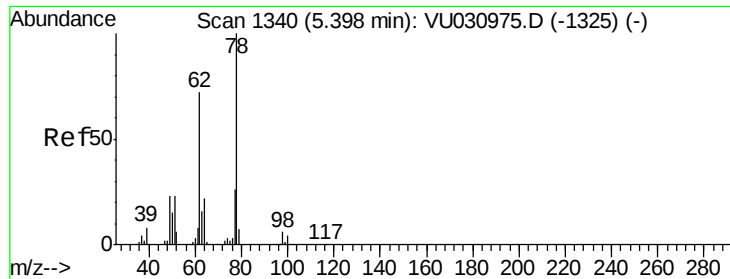
#22
 cis-1,2-Dichloroethene
 Concen: 1.388 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU030983.D
 Acq: 10 Apr 2019 02:44

Tgt Ion: 96 Resp: 23826
 Ion Ratio Lower Upper
 96 100
 61 139.7 98.9 183.7
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0





#27
 1,2-Dichloroethane
 Concen: 1.953 ug/L
 RT: 5.40 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VU030983.D
 Acq: 10 Apr 2019 02:44

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YC3DL

Tot Ion: 62 Resp: 39346
 Ion Ratio Lower Upper
 62 100
 98 8.3 7.4 11.2

