

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031122.D
 Acq On : 12 Apr 2019 12:04
 Operator : JC/SP
 Sample : K2354-13 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 114 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF2T4

Manual Integrations
 APPROVED

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 4/15/2019 9:16:02 AM

Quant Time: Apr 13 00:23:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 23:21:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	477719	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	508055	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	213554	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	231553	54.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.60%
7) Chloroethane-d5	1.68	69	170288	52.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.22%
11) 1,1-Dichloroethene-d2	2.27	63	285854	37.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.12%
21) 2-Butanone-d5	4.17	46	293826	86.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.93%
24) Chloroform-d	4.64	84	314868	48.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.66%
26) 1,2-Dichloroethane-d4	5.30	65	218123	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.14%
32) Benzene-d6	5.33	84	635704	42.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.72%
36) 1,2-Dichloropropane-d6	6.32	67	211999	41.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.42%
41) Toluene-d8	7.56	98	563392	42.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.72%
43) trans-1,3-Dichloropropene-	7.85	79	97596	42.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.22%
47) 2-Hexanone-d5	8.31	63	184866	79.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	302037	44.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.10%
64) 1,2-Dichlorobenzene-d4	11.86	152	212865	50.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.36%

Target Compounds					Ovalue
12) 1,1-Dichloroethene	2.28	96	17369	5.260 ug/L	# 1
20) cis-1,2-Dichloroethene	4.22	96	3729m	0.963 ug/L	
46) Tetrachloroethene	8.22	164	507614	171.222 ug/L	100

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

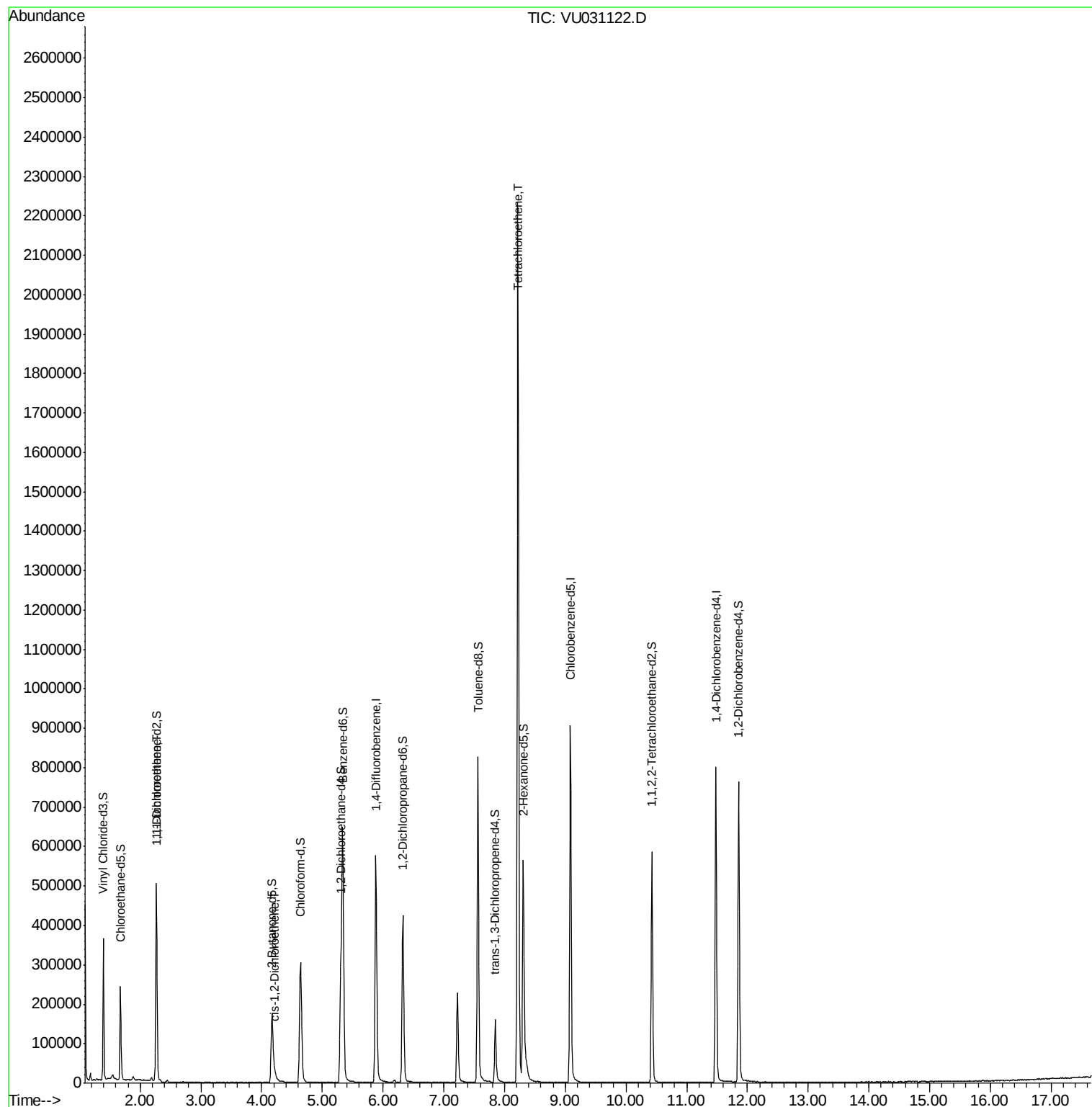
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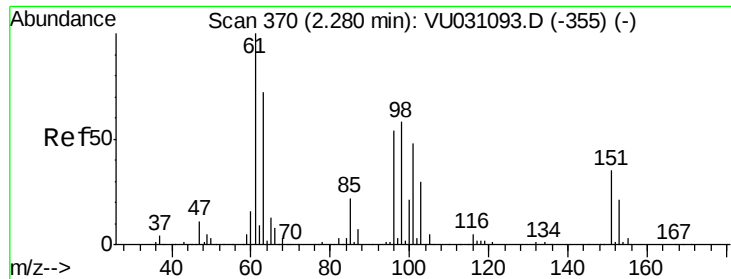
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#12

1,1-Dichloroethene

Concen: 5.260 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031122.D

Acq: 12 Apr 2019 12:04

Instrument :

MSVOA_U

ClientSampleId :

BF2T4

Tot Ion: 96 Resp: 17369

Ion Ratio Lower Upper

96 100

61 270.4 132.0 245.2#

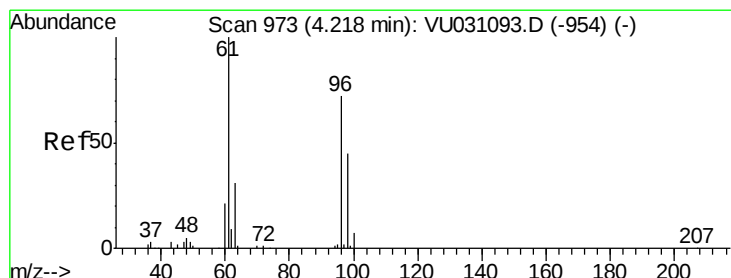
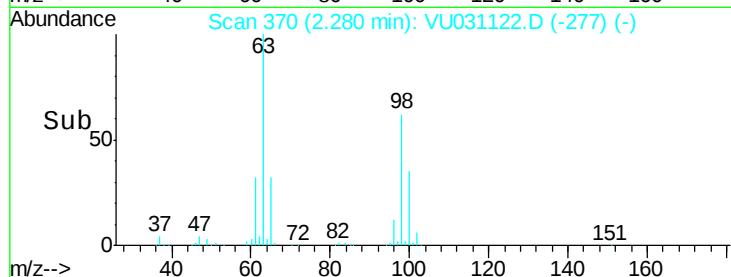
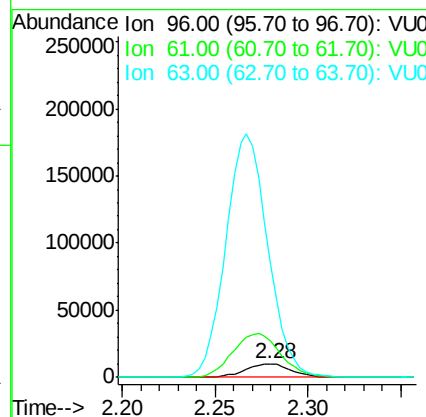
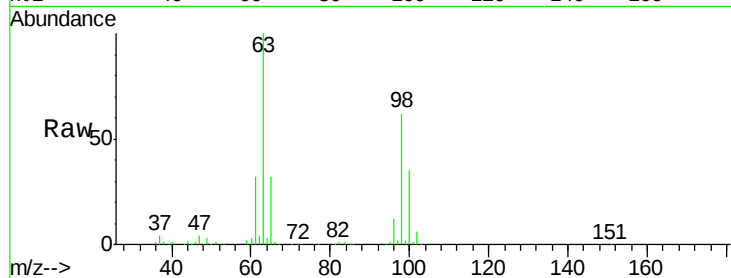
63 853.4 90.9 168.9#

Manual Integrations

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#20

cis-1,2-Dichloroethene

Concen: 0.963 ug/L m

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031122.D

Acq: 12 Apr 2019 12:04

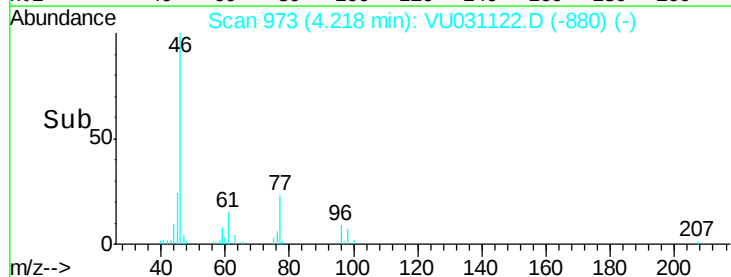
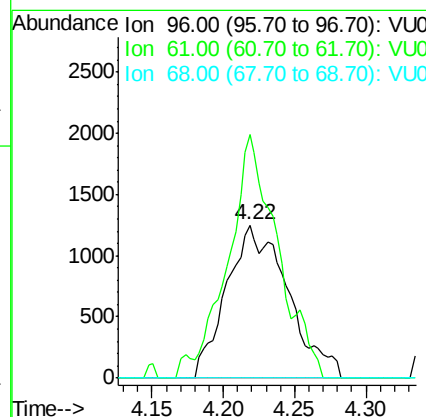
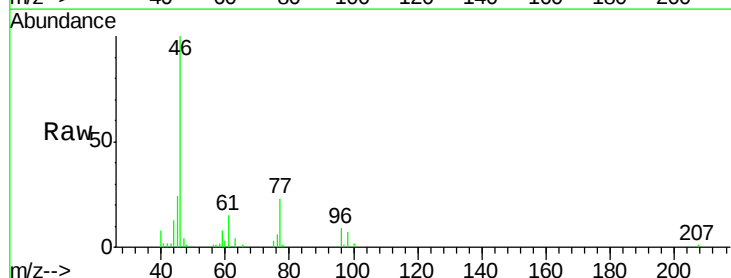
Tgt Ion: 96 Resp: 3729

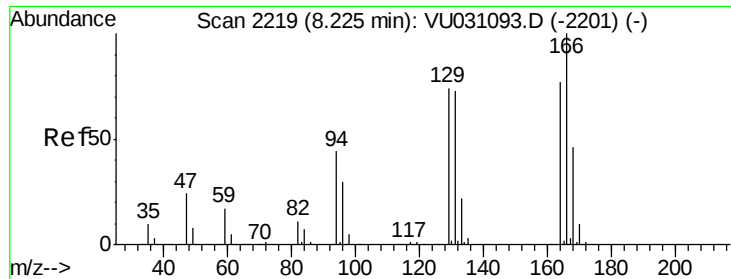
Ion Ratio Lower Upper

96 100

61 159.1 102.9 191.1

68 0.0 0.0 0.0





#46

Tetrachloroethene

Concen: 171.222 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

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Tot Ion	Ratio	Resp	Lower	Upper
164	100	507614		
129	96.2		67.4	125.2
131	94.4		65.9	122.5
166	125.9		88.6	164.6

Manual Integrations
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