

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082219\
 Data File : VU033916.D
 Acq On : 22 Aug 2019 21:52
 Operator : JC/SP
 Sample : K4454-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B87

Quant Time: Aug 23 04:36:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 02:53:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	568012	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	565550	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	235119	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	181478	36.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.86%
7) Chloroethane-d5	1.67	69	165904	41.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.98%
11) 1,1-Dichloroethene-d2	2.25	63	275786	30.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.38%
21) 2-Butanone-d5	4.15	46	344706	102.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.84%
24) Chloroform-d	4.62	84	360632	44.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.94%
26) 1,2-Dichloroethane-d4	5.28	65	248421	47.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.80%
32) Benzene-d6	5.32	84	717164	44.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.28%
36) 1,2-Dichloropropane-d6	6.31	67	247221	47.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.84%
41) Toluene-d8	7.55	98	595963	41.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.10%
43) trans-1,3-Dichloropropene-	7.83	79	98798	41.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.14%
47) 2-Hexanone-d5	8.29	63	233352	107.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.64%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	358744	48.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.64%
64) 1,2-Dichlorobenzene-d4	11.84	152	234062	48.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.56%

Target Compounds

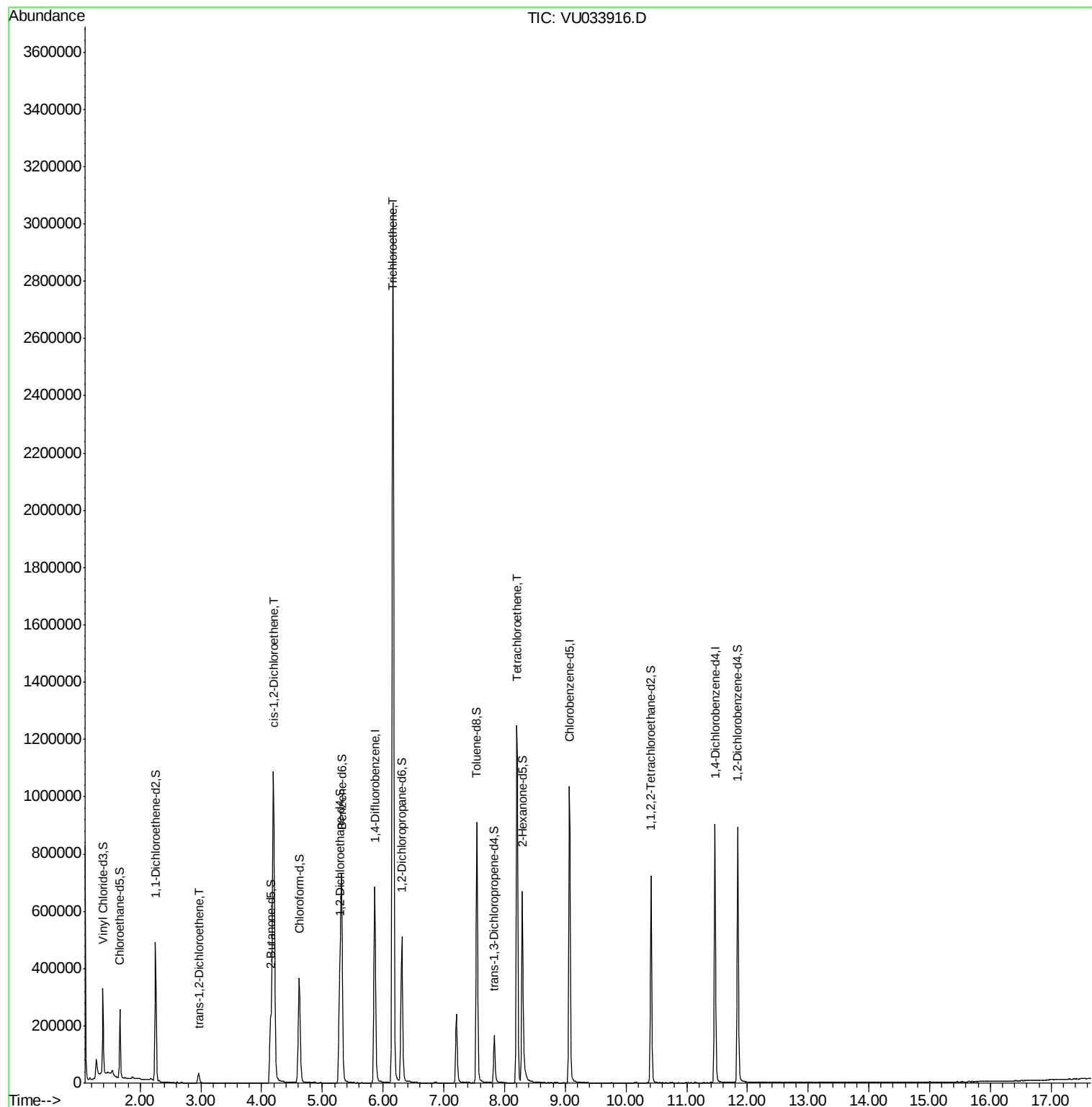
					Ovalue
17) trans-1,2-Dichloroethene	2.96	96	12500	3.038 ug/L	96
20) cis-1,2-Dichloroethene	4.20	96	597563	131.936 ug/L	100
34) Trichloroethene	6.16	95	1055106	237.785 ug/L	98
46) Tetrachloroethene	8.21	164	277285	80.411 ug/L	98

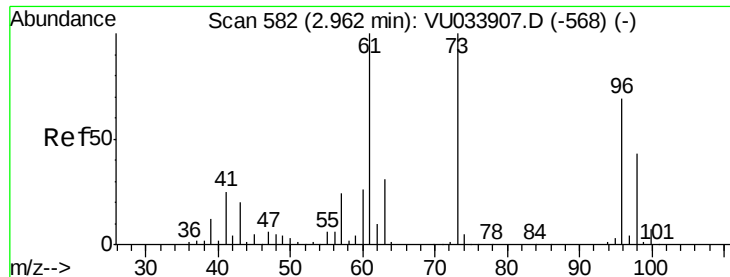
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#17

trans-1,2-Dichloroethene

Concen: 3.038 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033916.D

Acq: 22 Aug 2019 21:52

Instrument :

MSVOA_U

ClientSampleId :

F2B87

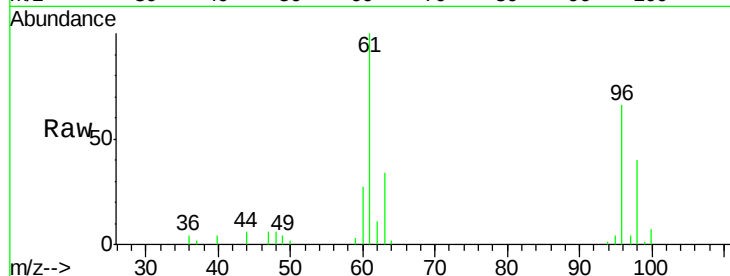
Tot Ion: 96 Resp: 12500

Ion Ratio Lower Upper

96 100

61 150.4 101.2 187.8

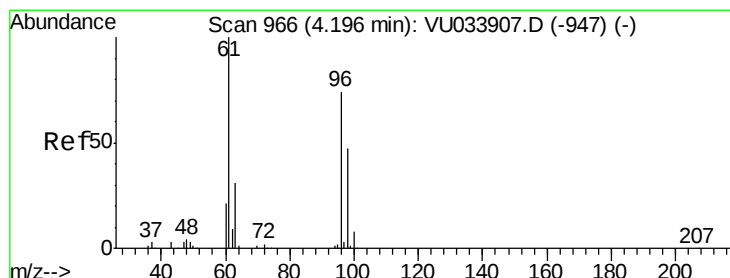
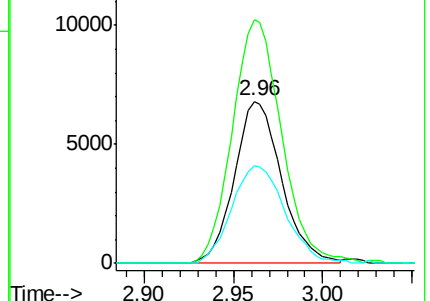
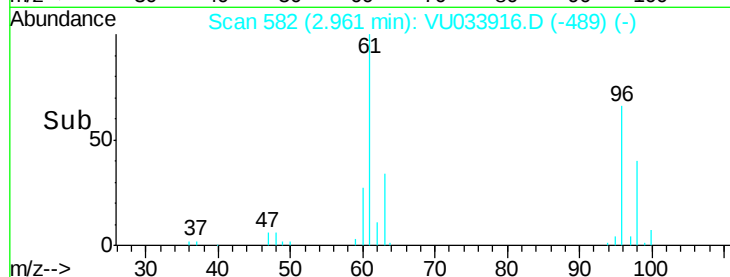
98 60.1 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU033916.D (-489) (-)

Ion 61.00 (60.70 to 61.70): VU033916.D (-489) (-)

Ion 98.00 (97.70 to 98.70): VU033916.D (-489) (-)



#20

cis-1,2-Dichloroethene

Concen: 131.936 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033916.D

Acq: 22 Aug 2019 21:52

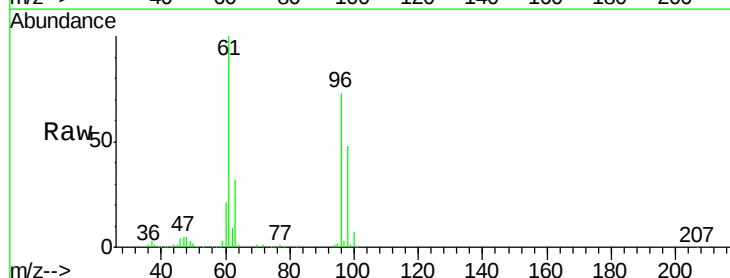
Tgt Ion: 96 Resp: 597563

Ion Ratio Lower Upper

96 100

61 137.0 95.5 177.4

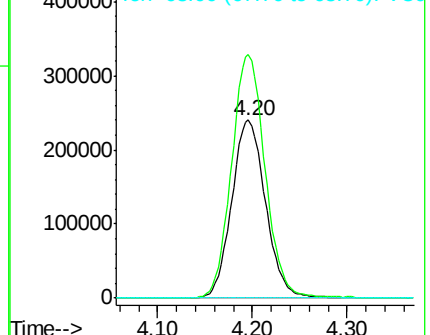
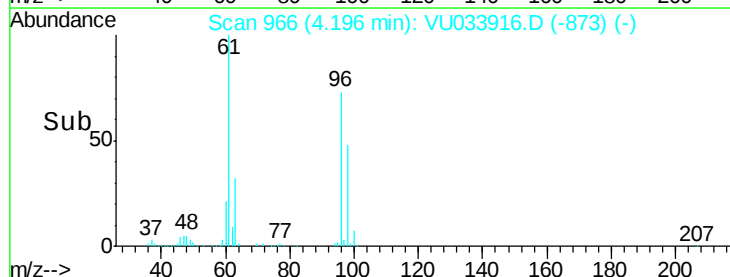
68 0.0 0.0 0.0

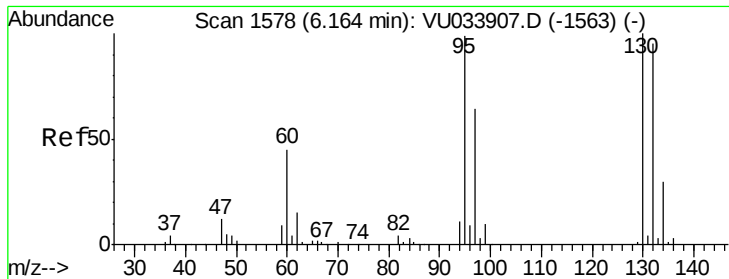


Abundance Ion 96.00 (95.70 to 96.70): VU033916.D (-873) (-)

Ion 61.00 (60.70 to 61.70): VU033916.D (-873) (-)

Ion 68.00 (67.70 to 68.70): VU033916.D (-873) (-)

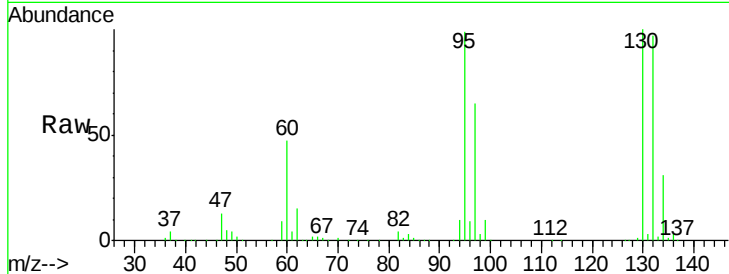




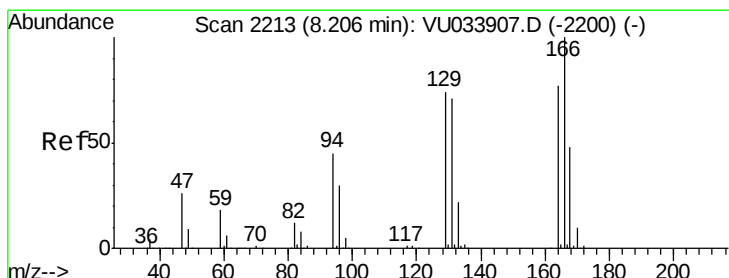
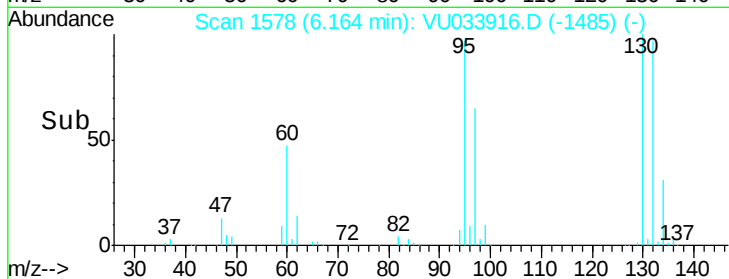
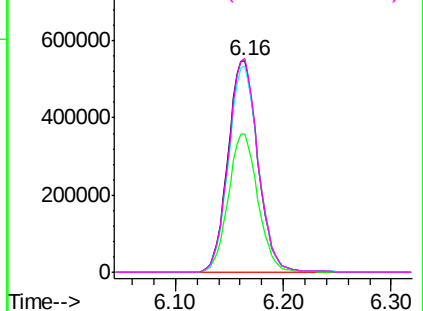
#34
 Trichloroethene
 Concen: 237.785 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU033916.D
 Acq: 22 Aug 2019 21:52

Instrument :
 MSVOA_U
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Tot Ion: 95 Resp: 1055106
 Ion Ratio Lower Upper
 95 100
 97 65.6 44.7 82.9
 132 97.8 65.7 122.1
 130 101.1 70.0 130.0

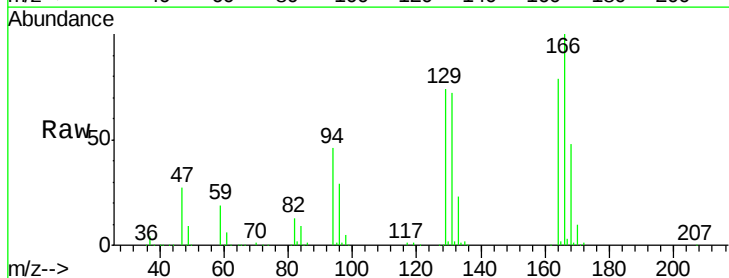


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V



#46
 Tetrachloroethene
 Concen: 80.411 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU033916.D
 Acq: 22 Aug 2019 21:52

Tgt Ion: 164 Resp: 277285
 Ion Ratio Lower Upper
 164 100
 129 93.3 63.9 118.7
 131 90.4 62.5 116.1
 166 126.2 87.3 162.1



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

