

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082119\
 Data File : VU033877.D
 Acq On : 21 Aug 2019 17:23
 Operator : JC/SP
 Sample : K4420-01DL 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B38DL

Quant Time: Aug 22 07:31:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 22 07:18:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	406515	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	410202	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	171794	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	156684	42.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.68%
7) Chloroethane-d5	1.67	69	143299	41.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.78%
11) 1,1-Dichloroethene-d2	2.25	63	213309	34.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.80%
21) 2-Butanone-d5	4.15	46	175667	91.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.59%
24) Chloroform-d	4.62	84	264993	45.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.02%
26) 1,2-Dichloroethane-d4	5.29	65	174240	47.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.64%
32) Benzene-d6	5.32	84	530070	46.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.76%
36) 1,2-Dichloropropane-d6	6.31	67	173394	46.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.10%
41) Toluene-d8	7.55	98	457512	43.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.16%
43) trans-1,3-Dichloropropene-	7.83	79	73284	42.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.38%
47) 2-Hexanone-d5	8.29	63	118333	86.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.24%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	242148	47.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.06%
64) 1,2-Dichlorobenzene-d4	11.84	152	174740	51.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.08%

Target Compounds

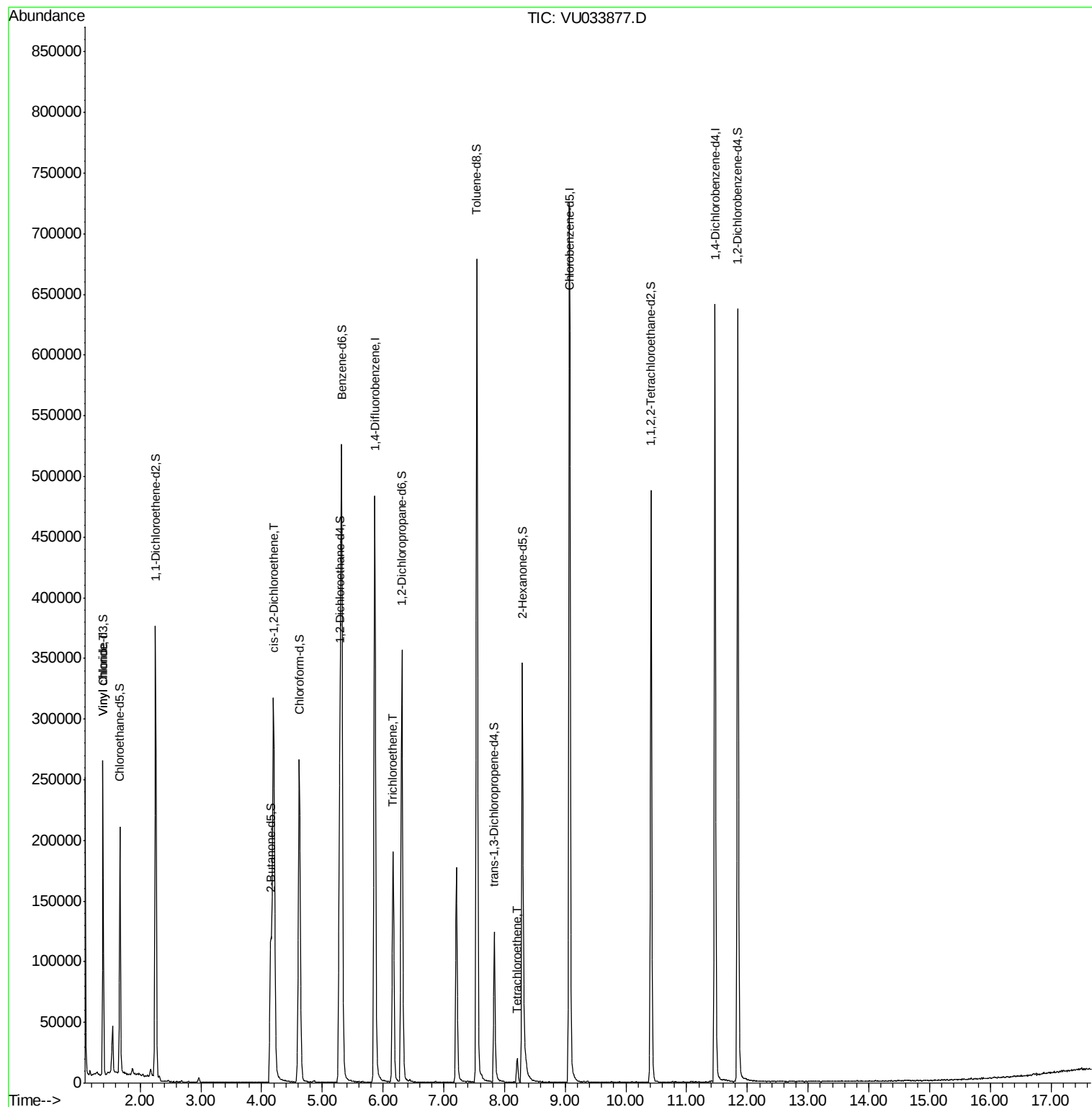
					Ovalue
5) Vinyl chloride	1.39	62	10146	2.222 ug/L	# 62
20) cis-1,2-Dichloroethene	4.20	96	176508	55.712 ug/L	98
34) Trichloroethene	6.16	95	65488	19.803 ug/L	97
46) Tetrachloroethene	8.21	164	4586	1.730 ug/L	94

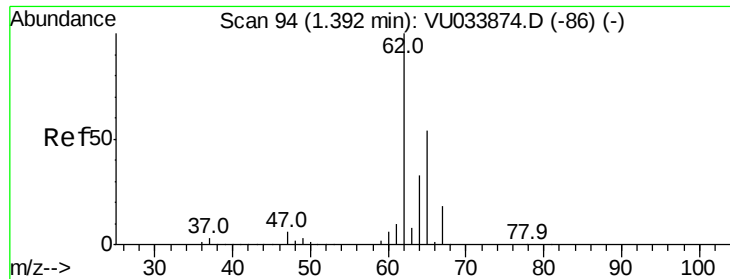
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.222 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033877.D

Acq: 21 Aug 2019 17:23

Instrument :

MSVOA_U

ClientSampled :

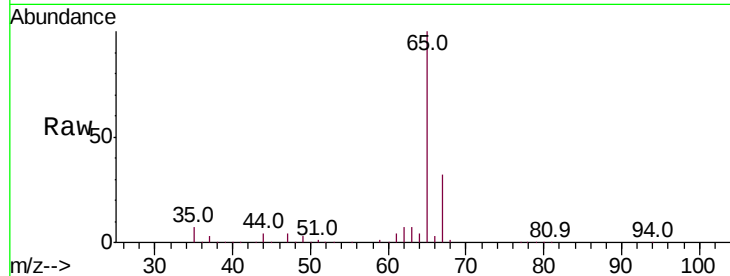
F2B38DL

Tot Ion: 62 Resp: 10146

Ion Ratio Lower Upper

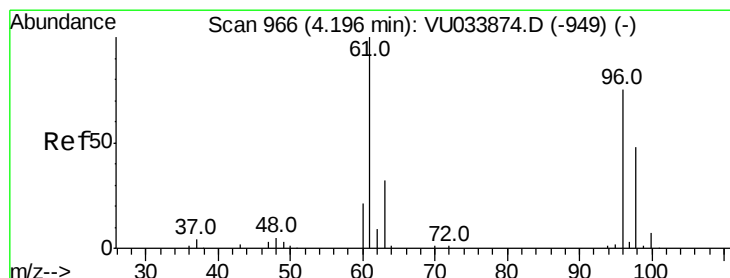
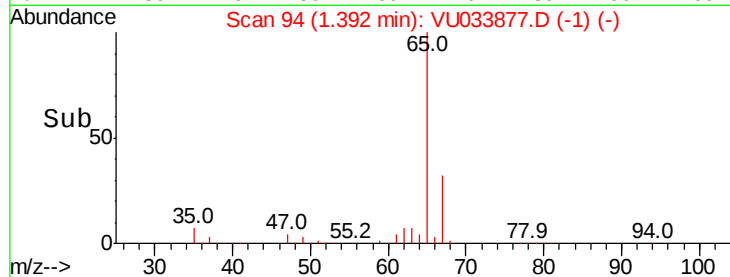
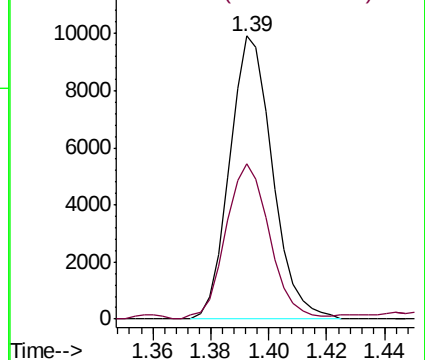
62 100

64 55.1 23.3 43.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 55.712 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033877.D

Acq: 21 Aug 2019 17:23

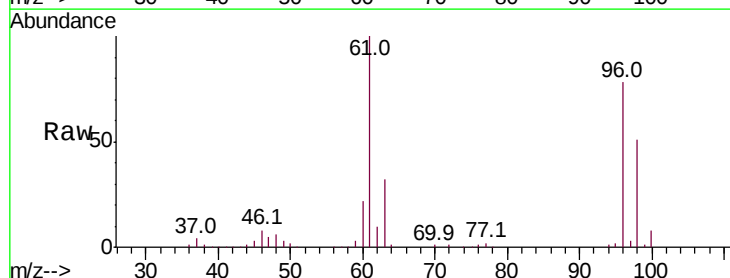
Tgt Ion: 96 Resp: 176508

Ion Ratio Lower Upper

96 100

61 127.8 88.2 163.8

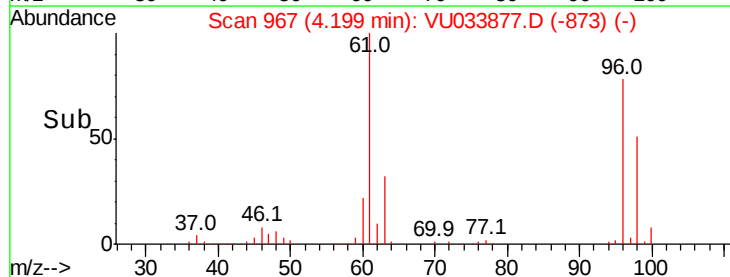
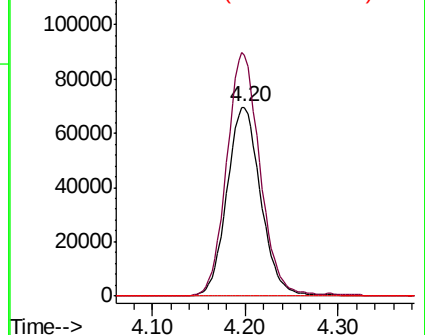
68 0.0 0.0 0.0

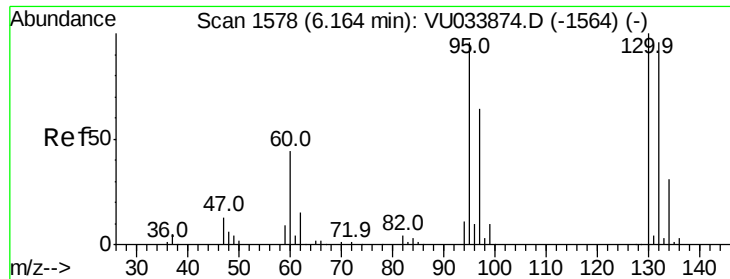


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#34

Trichloroethene

Concen: 19.803 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033877.D

Acq: 21 Aug 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

F2B38DL

Tot Ion: 95 Resp: 65488

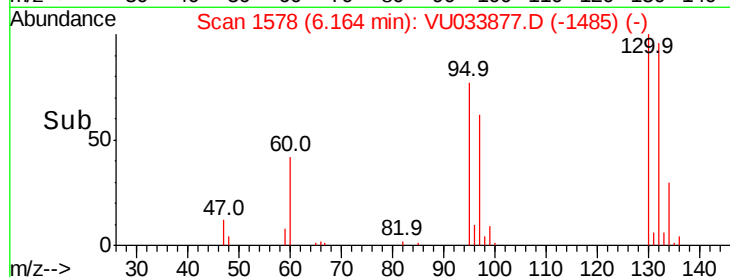
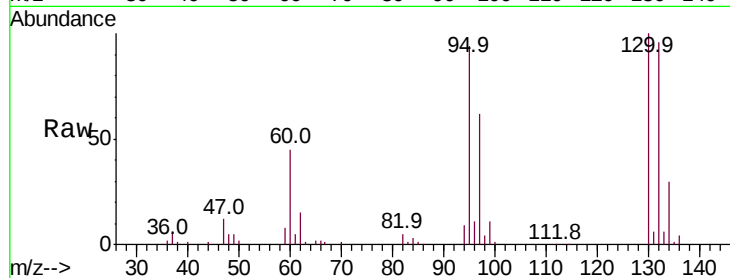
Ion Ratio Lower Upper

95 100

97 65.7 46.3 86.1

132 101.7 67.9 126.1

130 106.2 72.0 133.6



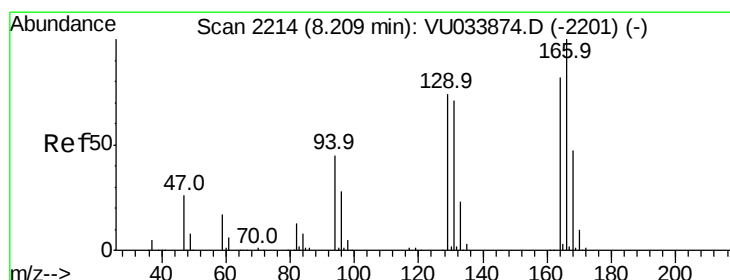
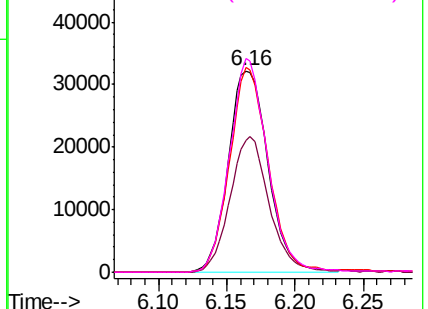
Abundance

Ion 95.00 (94.70 to 95.70): VU033877.D

Ion 97.00 (96.70 to 97.70): VU033877.D

Ion 132.00 (131.70 to 132.70): VU033877.D

Ion 130.00 (129.70 to 130.70): VU033877.D



#46

Tetrachloroethene

Concen: 1.730 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VU033877.D

Acq: 21 Aug 2019 17:23

Tgt Ion: 164 Resp: 4586

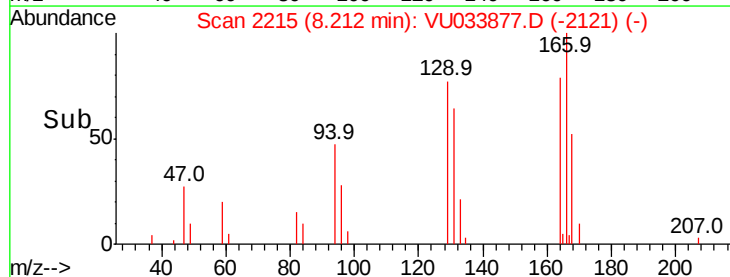
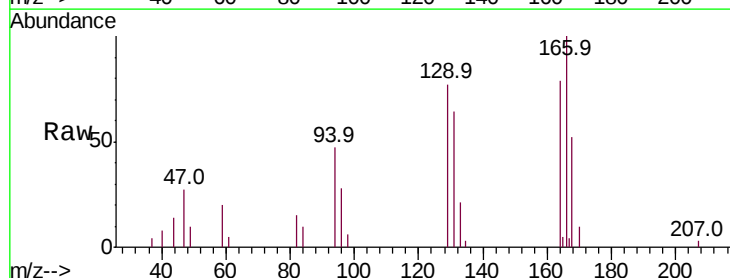
Ion Ratio Lower Upper

164 100

129 97.5 64.4 119.6

131 80.5 63.8 118.4

166 126.1 90.9 168.7



Abundance

Ion 164.00 (163.70 to 164.70): VU033877.D

Ion 129.00 (128.70 to 129.70): VU033877.D

Ion 131.00 (130.70 to 131.70): VU033877.D

Ion 166.00 (165.70 to 166.70): VU033877.D

