

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073119\
 Data File : VU033525.D
 Acq On : 31 Jul 2019 14:56
 Operator : JC/SP
 Sample : K4103-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB9E5

Quant Time: Aug 01 08:32:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 01 07:20:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	316609	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	313183	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	143808	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	112496	48.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.74%
7) Chloroethane-d5	1.67	69	99948	50.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.22%
11) 1,1-Dichloroethene-d2	2.26	63	161048	38.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.10%
21) 2-Butanone-d5	4.16	46	184623	121.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.09%
24) Chloroform-d	4.62	84	196390	50.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.29	65	130867	53.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.12%
32) Benzene-d6	5.32	84	411709	53.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.06%
36) 1,2-Dichloropropane-d6	6.31	67	129689	53.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.58%
41) Toluene-d8	7.55	98	369830	50.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.66%
43) trans-1,3-Dichloropropene-	7.83	79	62218	51.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.08%
47) 2-Hexanone-d5	8.30	63	125402	108.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.53%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	194263	51.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.54%
64) 1,2-Dichlorobenzene-d4	11.85	152	144454	54.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.70%

Target Compounds

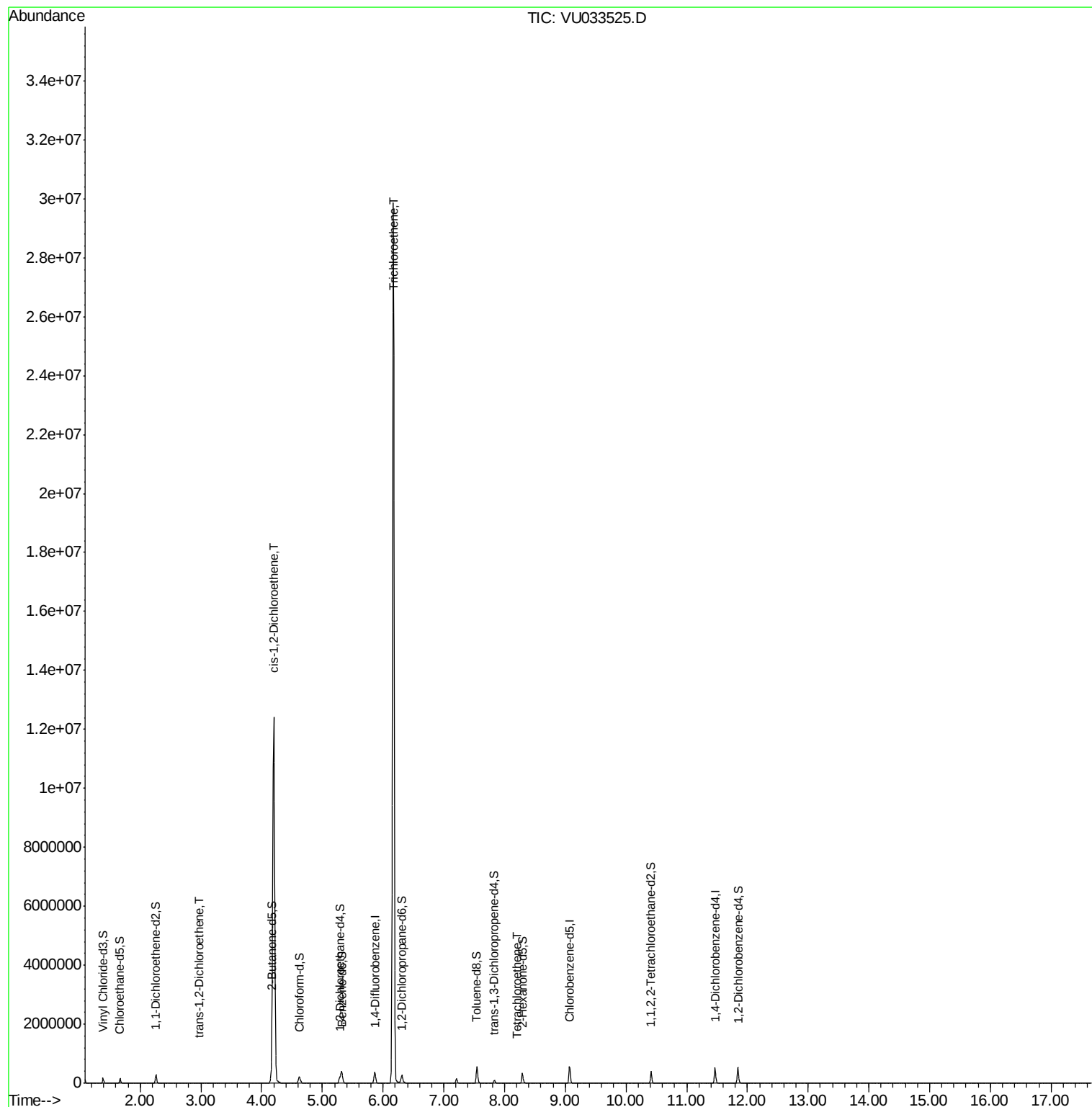
					Ovalue
17) trans-1,2-Dichloroethene	2.97	96	7426	3.457 ug/L	88
20) cis-1,2-Dichloroethene	4.20	96	6735990	2793.757 ug/L	100
34) Trichloroethene	6.17	95	9807730	4115.269 ug/L	97
46) Tetrachloroethene	8.22	164	1086	0.558 ug/L	90

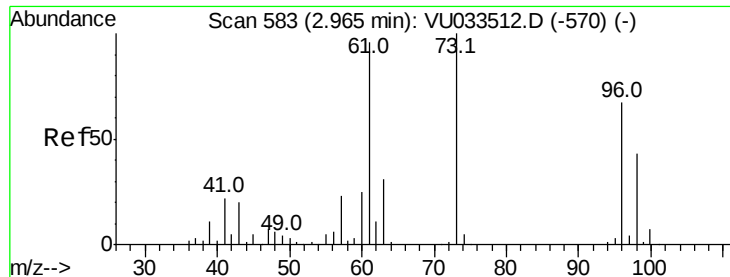
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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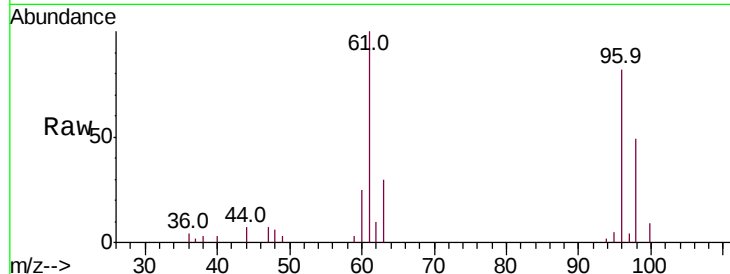




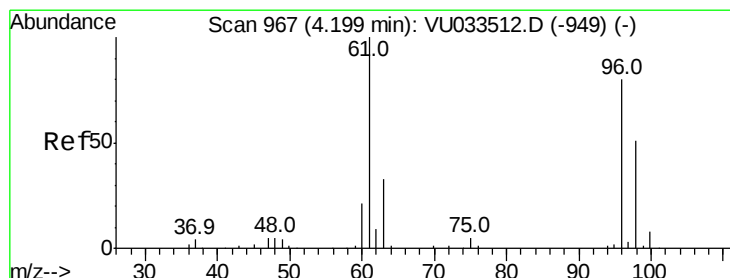
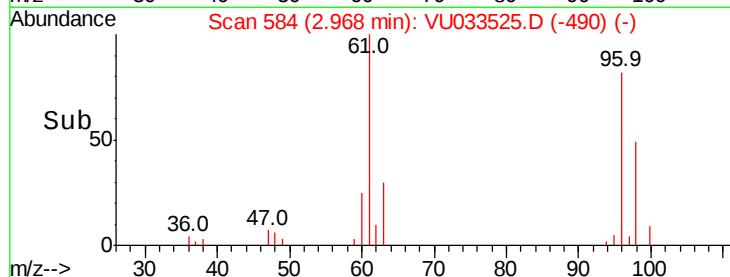
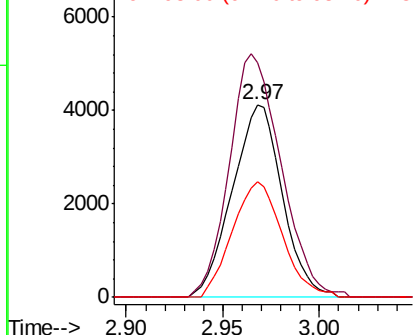
#17
 trans-1,2-Dichloroethene
 Concen: 3.457 ug/L
 RT: 2.97 min Scan# 584
 Delta R.T. 0.00 min
 Lab File: VU033525.D
 Acq: 31 Jul 2019 14:56

Instrument :
 MSVOA_U
 ClientSampled :
 DB9E5

Tot Ion: 96 Resp: 7426
 Ion Ratio Lower Upper
 96 100
 61 122.0 98.3 182.5
 98 59.8 44.3 82.3

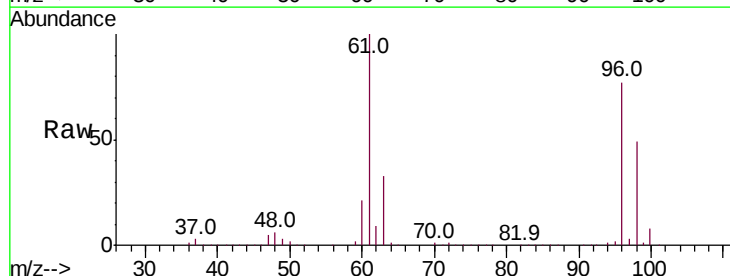


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

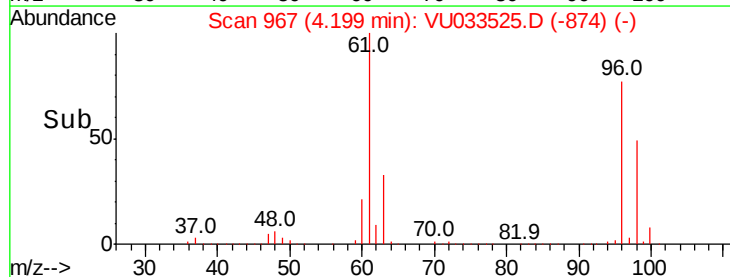
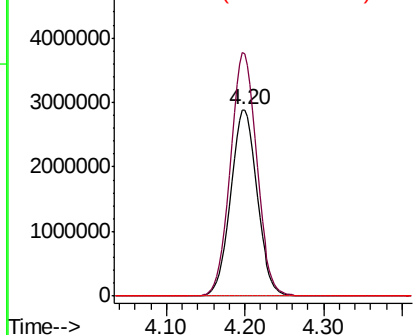


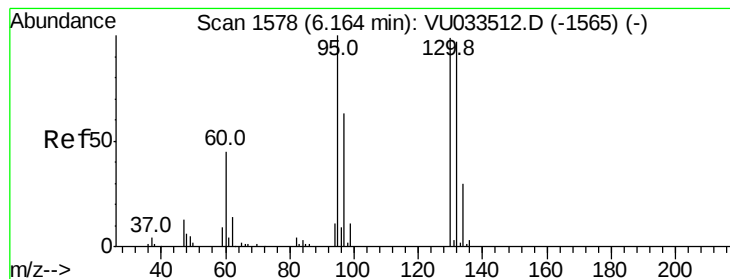
#20
 cis-1,2-Dichloroethene
 Concen: 2793.757 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU033525.D
 Acq: 31 Jul 2019 14:56

Tgt Ion: 96 Resp: 6735990
 Ion Ratio Lower Upper
 96 100
 61 130.1 91.3 169.6
 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: 4115.269 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU033525.D

Acq: 31 Jul 2019 14:56

Instrument :

MSVOA_U

ClientSampleId :

DB9E5

Tot Ion: 95 Resp: 9807730

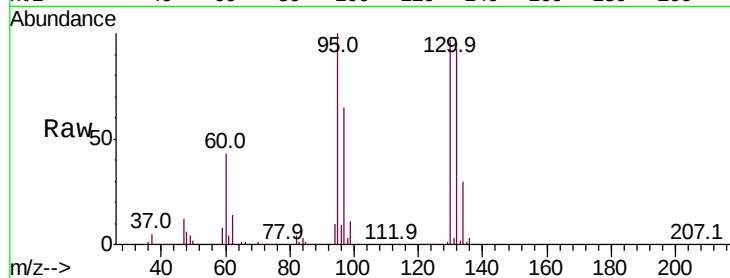
Ion Ratio Lower Upper

95 100

97 65.0 44.7 83.1

132 93.2 66.8 124.0

130 97.1 71.6 133.0



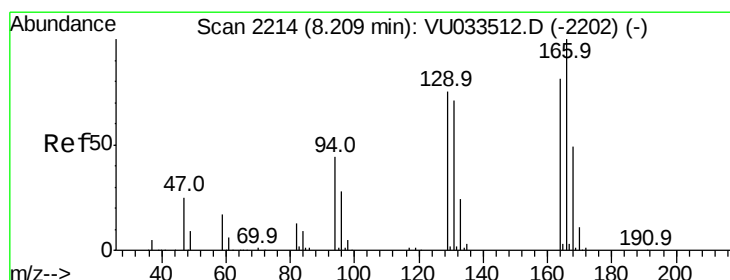
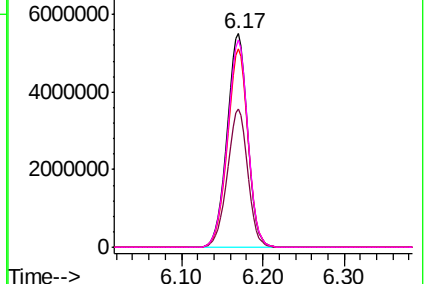
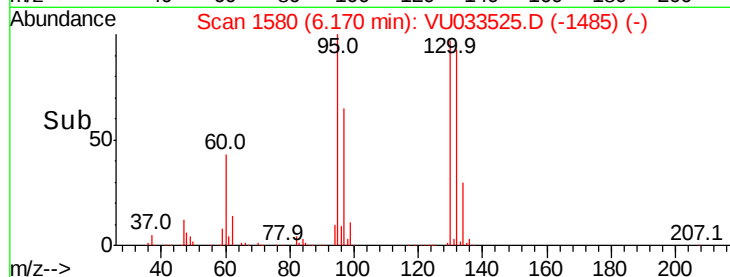
Abundance

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: 0.558 ug/L

RT: 8.22 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VU033525.D

Acq: 31 Jul 2019 14:56

Tgt Ion:164 Resp: 1086

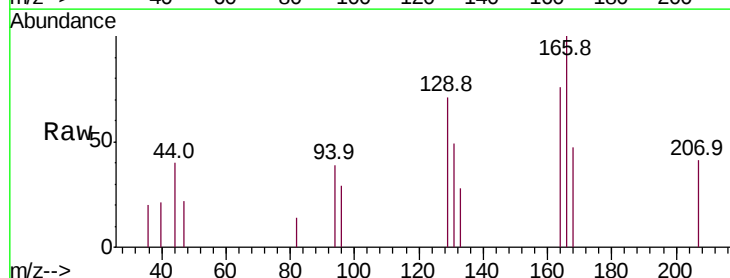
Ion Ratio Lower Upper

164 100

129 94.1 65.5 121.7

131 65.3 63.3 117.7

166 132.4 88.2 163.8



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

