

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081119\
 Data File : VU033746.D
 Acq On : 11 Aug 2019 12:52
 Operator : JC/SP
 Sample : K4202-15RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B40RE

Quant Time: Aug 12 05:28:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 12 04:45:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	272263	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	276466	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	124003	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	38645	19.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	38.56%#
7) Chloroethane-d5	1.67	69	42865	21.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	42.68%#
11) 1,1-Dichloroethene-d2	2.26	63	53576	15.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	31.80%#
21) 2-Butanone-d5	4.15	46	162554	130.83	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	130.83%#
24) Chloroform-d	4.62	84	125291	42.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.16%
26) 1,2-Dichloroethane-d4	5.29	65	83565	44.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.76%
32) Benzene-d6	5.32	84	196947	30.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	60.36%#
36) 1,2-Dichloropropane-d6	6.31	67	78595	39.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.50%
41) Toluene-d8	7.55	98	151284	24.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	49.30%#
43) trans-1,3-Dichloropropene-	7.83	79	31150	30.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.62%
47) 2-Hexanone-d5	8.29	63	110157	106.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.22%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	157231	53.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.16%
64) 1,2-Dichlorobenzene-d4	11.84	152	90983	43.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.20%

Target Compounds

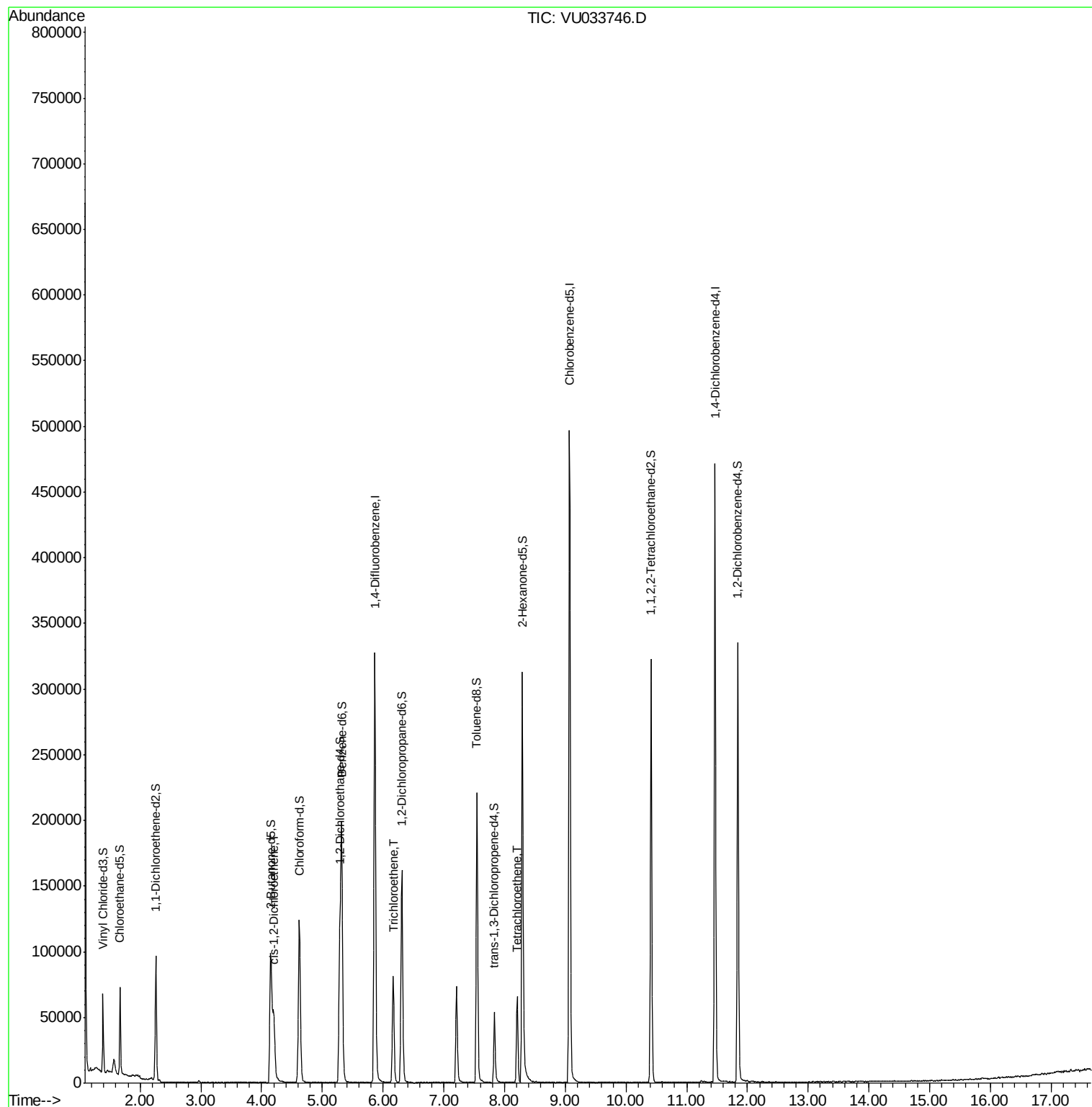
					Ovalue
20) cis-1,2-Dichloroethene	4.20	96	25511	13.034	ug/L 90
34) Trichloroethene	6.17	95	27744	13.666	ug/L 95
46) Tetrachloroethene	8.21	164	14383	8.595	ug/L 95

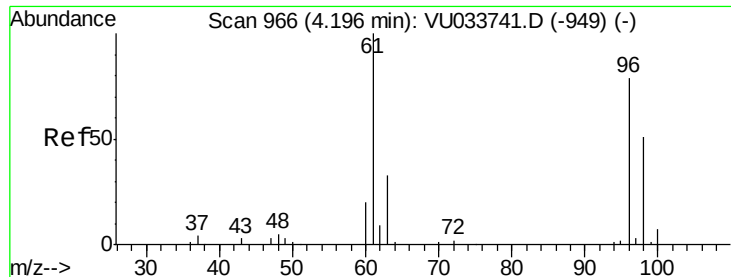
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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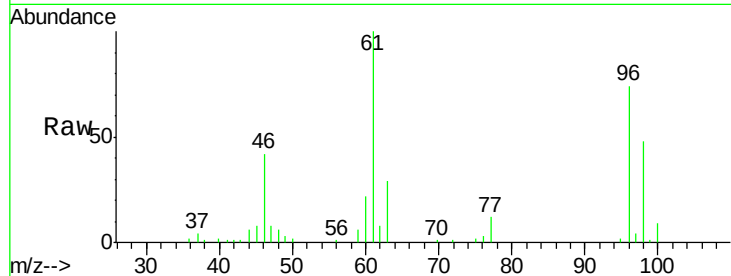




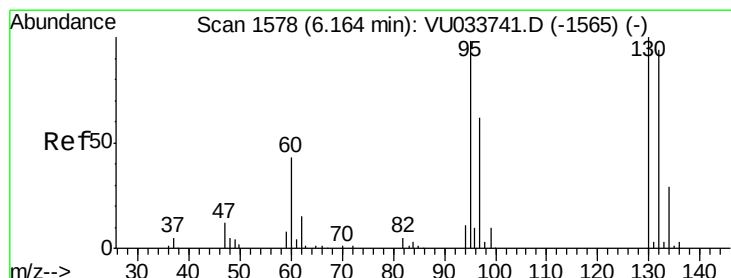
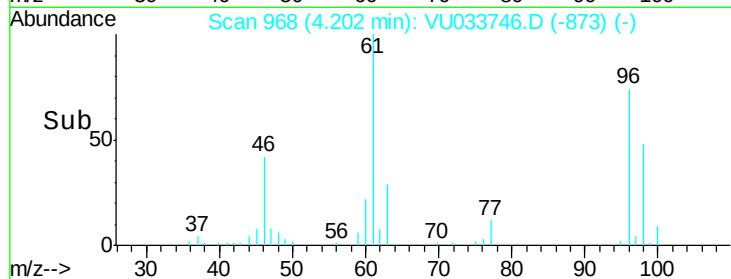
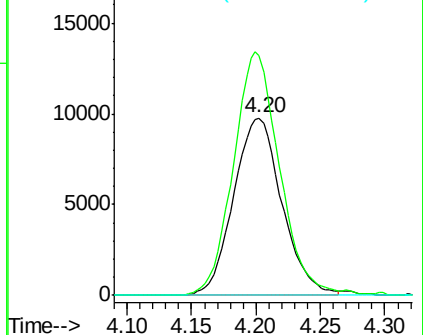
#20
 cis-1,2-Dichloroethene
 Concen: 13.034 ug/L
 RT: 4.20 min Scan# 968
 Delta R.T. 0.01 min
 Lab File: VU033746.D
 Acq: 11 Aug 2019 12:52

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B40RE

Tot Ion: 96 Resp: 25511
 Ion Ratio Lower Upper
 96 100
 61 135.1 87.0 161.6
 68 0.0 0.0 0.0

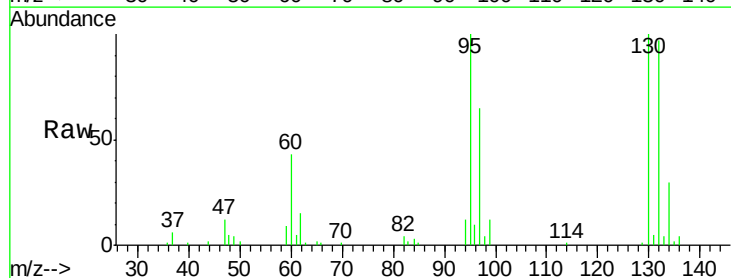


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

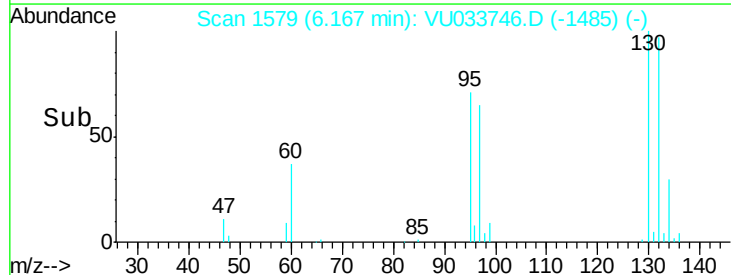
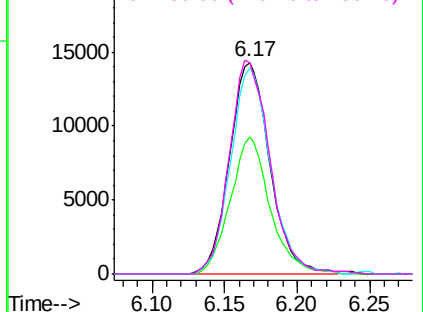


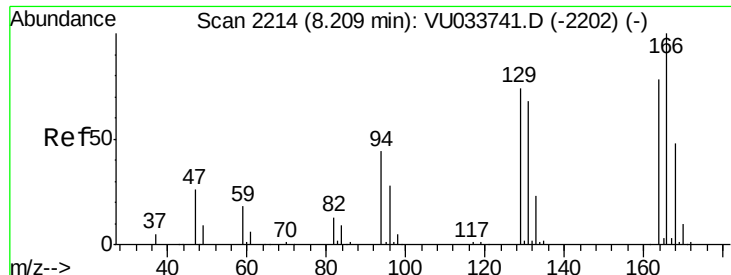
#34
 Trichloroethene
 Concen: 13.666 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033746.D
 Acq: 11 Aug 2019 12:52

Tgt Ion: 95 Resp: 27744
 Ion Ratio Lower Upper
 95 100
 97 64.7 45.6 84.8
 132 97.1 72.0 133.8
 130 99.6 74.3 138.1



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: 8.595 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033746.D

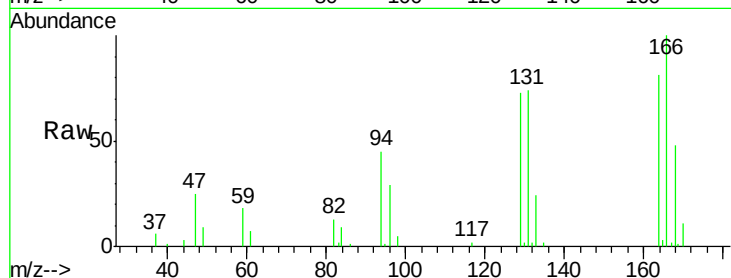
Acq: 11 Aug 2019 12:52

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Tot Ion:164 Resp: 14383

Ion Ratio Lower Upper

164 100

129 90.1 65.5 121.7

131 91.7 63.6 118.0

166 123.5 92.7 172.3

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

