

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081219\
 Data File : VU033771.D
 Acq On : 12 Aug 2019 15:01
 Operator : JC/SP
 Sample : K4202-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 12 16:30:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 12 16:26:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	387886	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	385702	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	170296	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	107185	37.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.08%
7) Chloroethane-d5	1.67	69	96649	33.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	67.54%#
11) 1,1-Dichloroethene-d2	2.26	63	142580	29.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.40%#
21) 2-Butanone-d5	4.16	46	95685	54.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	54.05%
24) Chloroform-d	4.62	84	149928	35.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.68%
26) 1,2-Dichloroethane-d4	5.29	65	92826	34.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	69.98%#
32) Benzene-d6	5.32	84	302849	33.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	66.54%#
36) 1,2-Dichloropropane-d6	6.31	67	95171	34.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	68.14%#
41) Toluene-d8	7.55	98	252441	29.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	58.96%#
43) trans-1,3-Dichloropropene-	7.83	79	39315	27.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.74%#
47) 2-Hexanone-d5	8.30	63	64266	44.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	44.42%#
57) 1,1,2,2-Tetrachloroethane-	10.41	84	125728	30.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	60.86%#
64) 1,2-Dichlorobenzene-d4	11.85	152	92436	32.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	64.50%#

Target Compounds

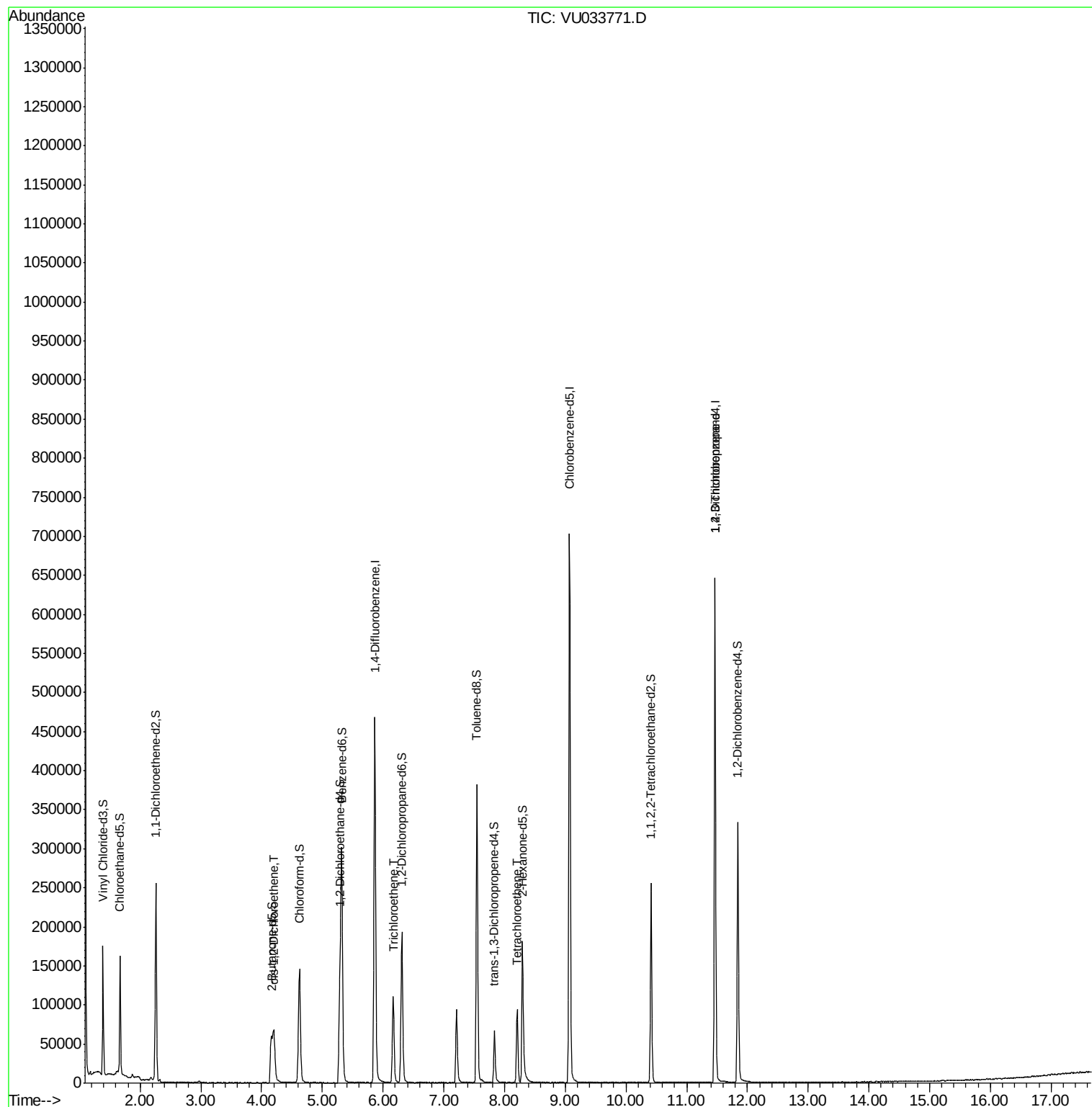
					Ovalue
20) cis-1,2-Dichloroethene	4.20	96	34934	12.528 ug/L	98
34) Trichloroethene	6.17	95	38133	13.464 ug/L	94
46) Tetrachloroethene	8.21	164	21298	9.123 ug/L	96
59) 1,2,3-Trichloropropane	11.47	75	20008	5.167 ug/L	93

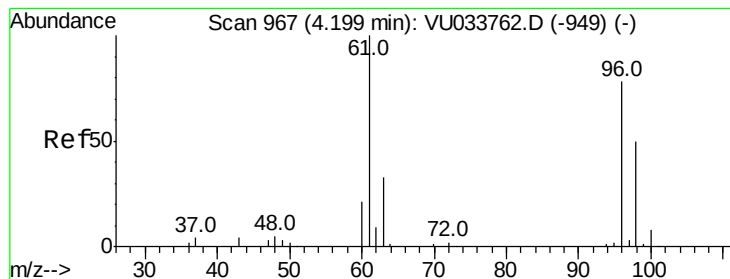
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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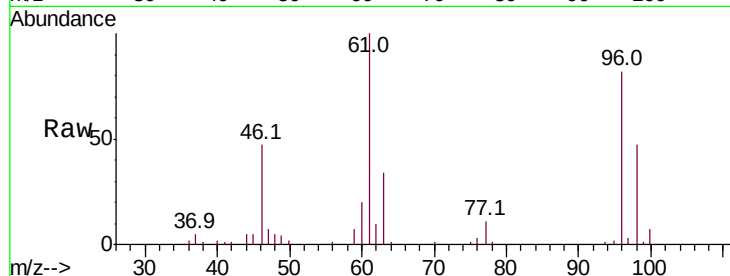


#20

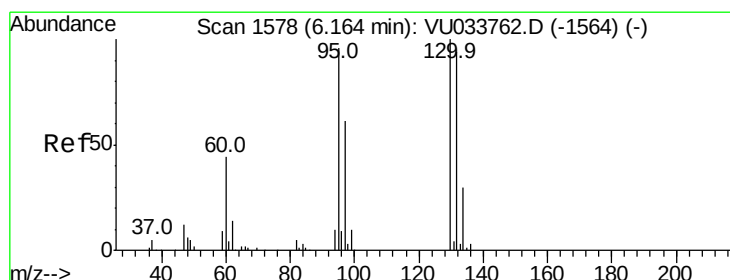
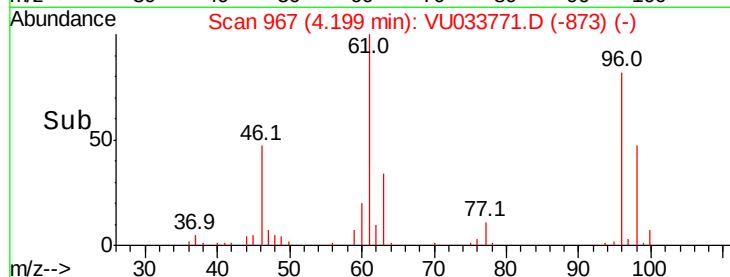
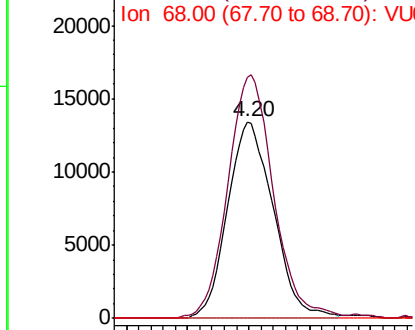
cis-1,2-Dichloroethene
 Concen: 12.528 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033771.D
 Acq: 12 Aug 2019 15:01

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 34934
 Ion Ratio Lower Upper
 96 100
 61 122.5 87.0 161.6
 68 0.0 0.0 0.0



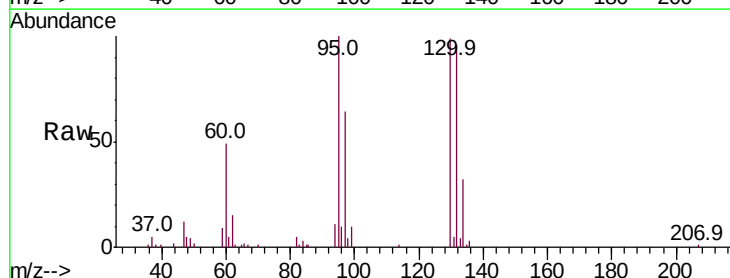
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



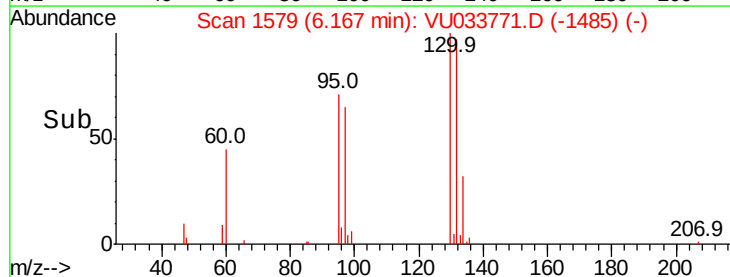
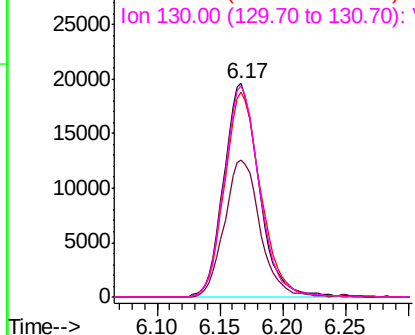
#34

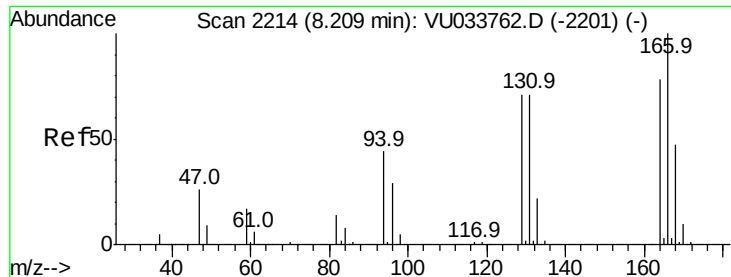
Trichloroethene
 Concen: 13.464 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033771.D
 Acq: 12 Aug 2019 15:01

Tgt Ion: 95 Resp: 38133
 Ion Ratio Lower Upper
 95 100
 97 64.0 45.6 84.8
 132 95.9 72.0 133.8
 130 99.0 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: 9.123 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VU033771.D

Acq: 12 Aug 2019 15:01

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:164 Resp: 21298

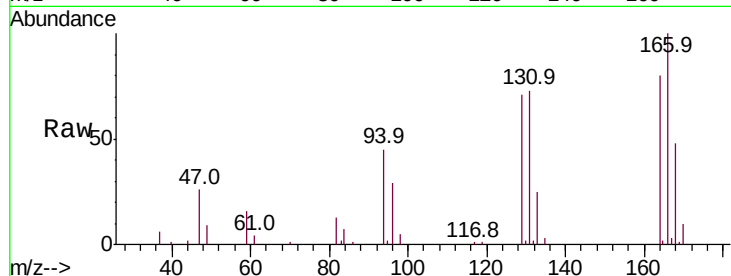
Ion Ratio Lower Upper

164 100

129 88.8 65.5 121.7

131 90.9 63.6 118.0

166 125.4 92.7 172.3

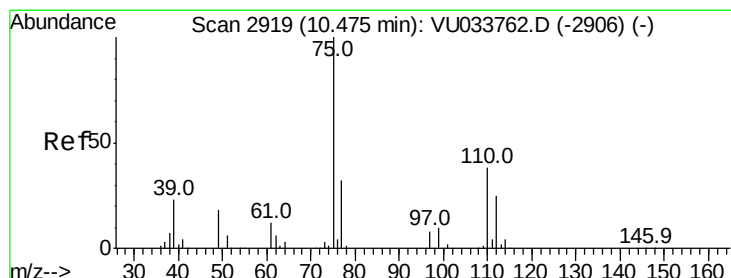
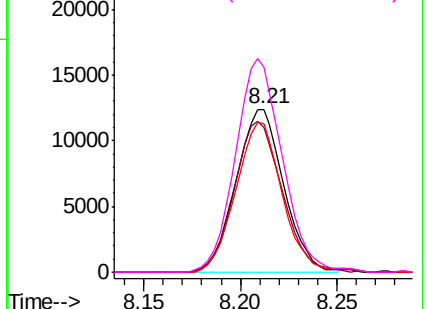
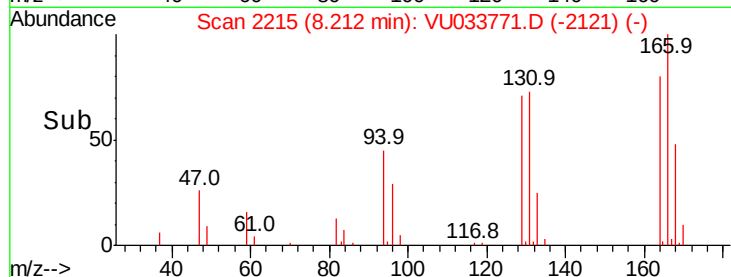


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 5.167 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033771.D

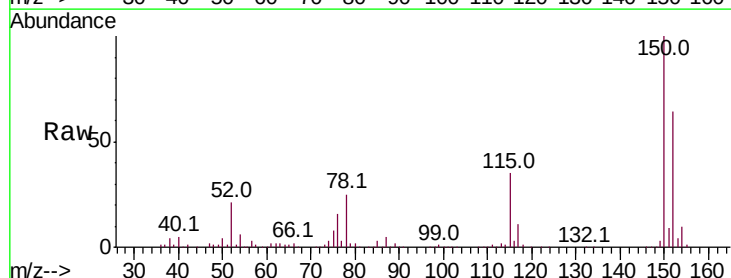
Acq: 12 Aug 2019 15:01

Tgt Ion: 75 Resp: 20008

Ion Ratio Lower Upper

75 100

77 37.1 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

