

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073119\
 Data File : VU033528.D
 Acq On : 31 Jul 2019 16:05
 Operator : JC/SP
 Sample : K4103-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB9D7

Quant Time: Aug 01 08:48:45 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	311700	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	306439	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	138460	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	109415	48.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.56%
7) Chloroethane-d5	1.67	69	96275	49.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.02%
11) 1,1-Dichloroethene-d2	2.26	63	150355	36.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.12%
21) 2-Butanone-d5	4.15	46	162339	108.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.15%
24) Chloroform-d	4.62	84	185175	48.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.50%
26) 1,2-Dichloroethane-d4	5.29	65	126794	52.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.42%
32) Benzene-d6	5.32	84	395031	52.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.31	67	125463	52.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.38%
41) Toluene-d8	7.55	98	350131	49.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.38%
43) trans-1,3-Dichloropropene-	7.83	79	58014	49.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.22%
47) 2-Hexanone-d5	8.30	63	115545	102.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.20%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	183729	50.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.08%
64) 1,2-Dichlorobenzene-d4	11.85	152	136917	54.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

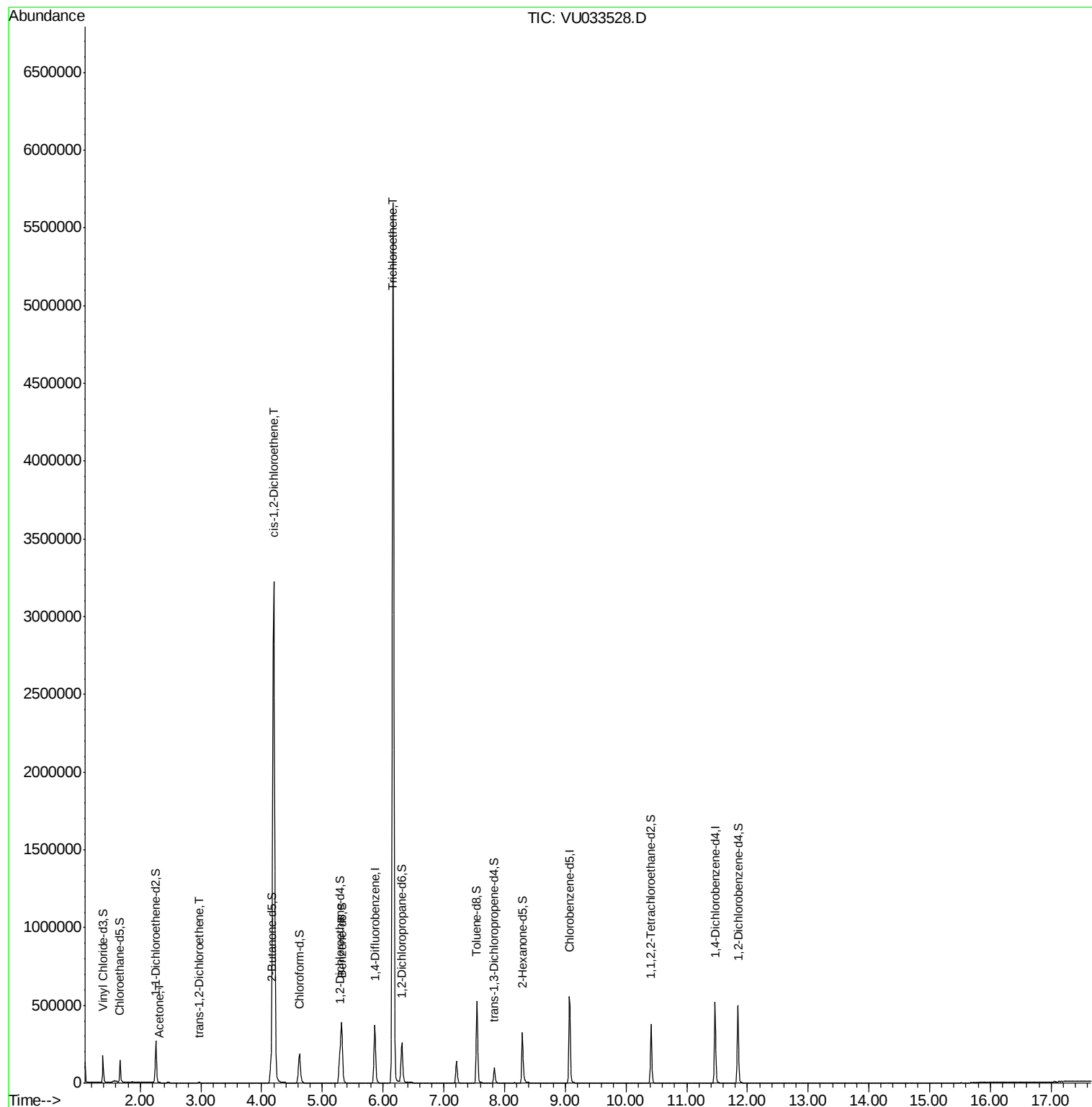
					Ovalue
13) Acetone	2.31	43	4325	2.816 ug/L	96
17) trans-1,2-Dichloroethene	2.96	96	2563	1.212 ug/L	93
20) cis-1,2-Dichloroethene	4.20	96	1791058	754.542 ug/L	100
34) Trichloroethene	6.16	95	1918043	822.512 ug/L	99

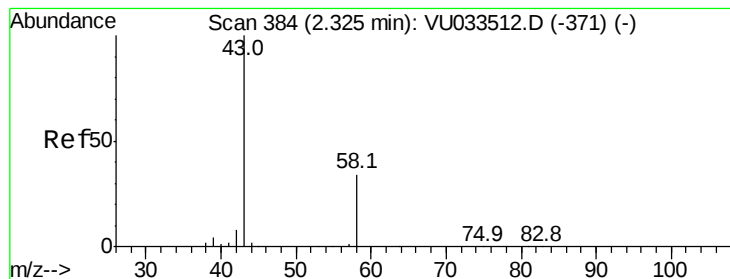
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.816 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VU033528.D

Acq: 31 Jul 2019 16:05

Instrument :

MSVOA_U

ClientSampleId :

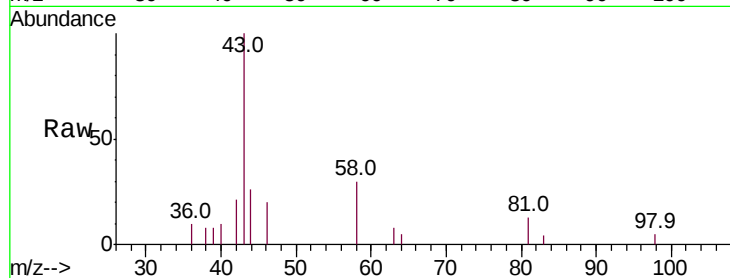
DB9D7

Tot Ion: 43 Resp: 4325

Ion Ratio Lower Upper

43 100

58 30.6 0.0 66.2



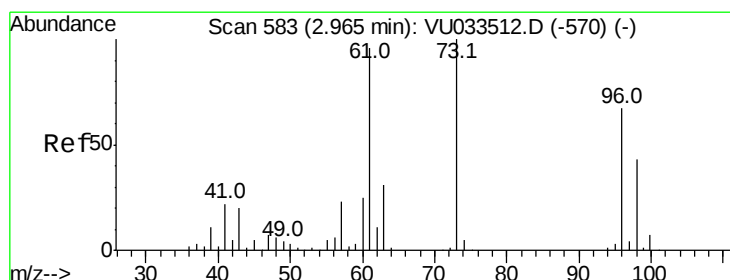
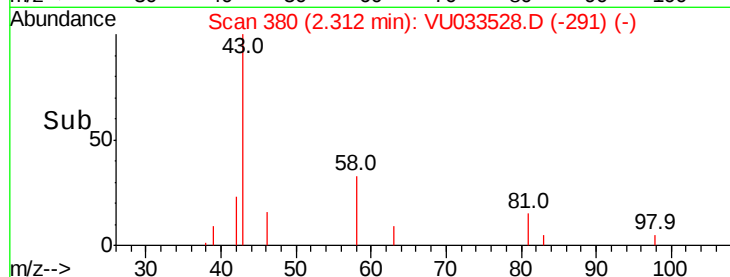
Abundance Ion 43.00 (42.70 to 43.70): VU033528.D (-371) (-)

Ion 58.00 (57.70 to 58.70): VU033528.D (-371) (-)

2.31

2.35

Time-->



#17

trans-1,2-Dichloroethene

Concen: 1.212 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU033528.D

Acq: 31 Jul 2019 16:05

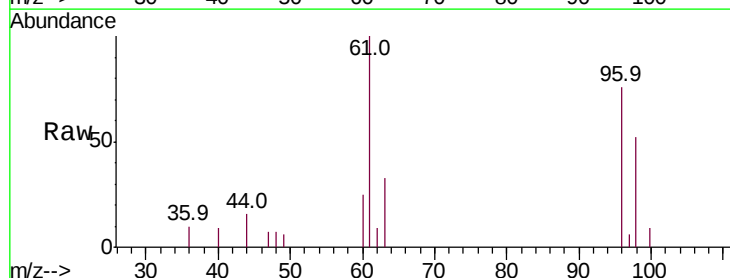
Tgt Ion: 96 Resp: 2563

Ion Ratio Lower Upper

96 100

61 132.4 98.3 182.5

98 69.2 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU033528.D (-490) (-)

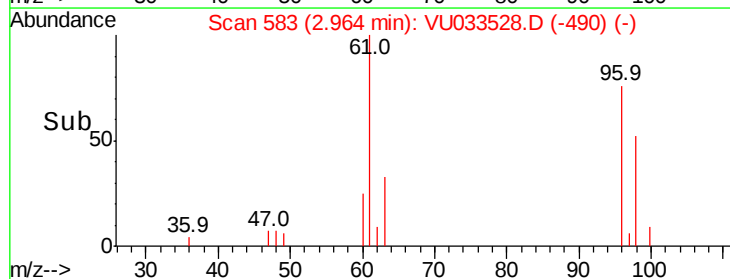
Ion 61.00 (60.70 to 61.70): VU033528.D (-490) (-)

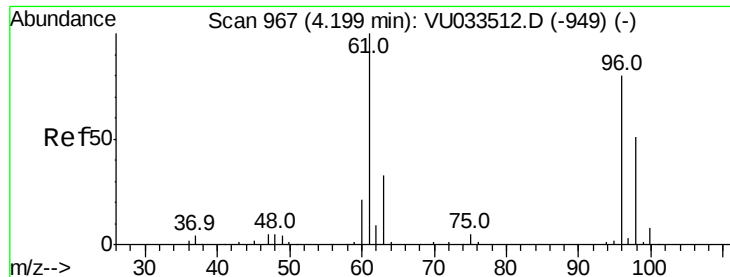
Ion 98.00 (97.70 to 98.70): VU033528.D (-490) (-)

2.96

3.00

Time-->



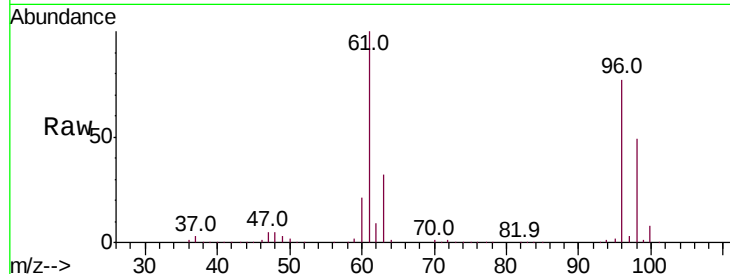


#20

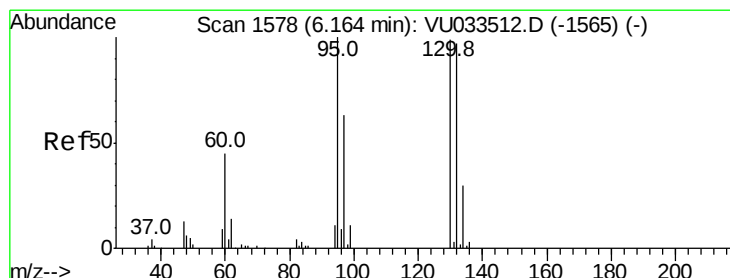
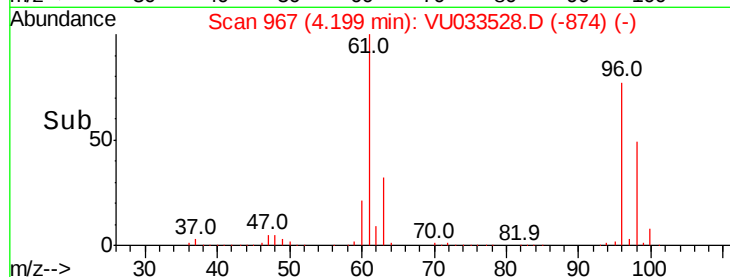
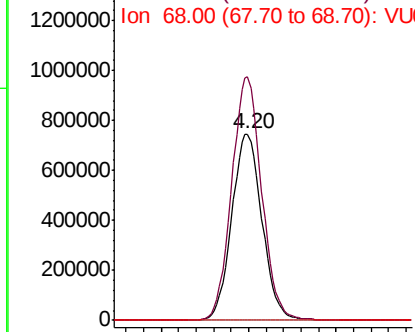
cis-1,2-Dichloroethene
Concen: 754.542 ug/L
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU033528.D
Acq: 31 Jul 2019 16:05

Instrument :
MSVOA_U
ClientSampleId :
DB9D7

Tot Ion: 96 Resp: 1791058
Ion Ratio Lower Upper
96 100
61 130.7 91.3 169.6
68 0.0 0.0 0.0



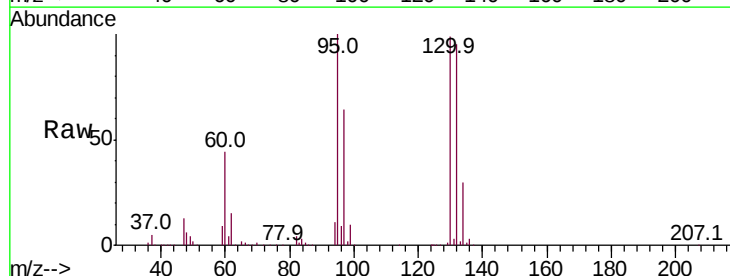
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



#34

Trichloroethene
Concen: 822.512 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU033528.D
Acq: 31 Jul 2019 16:05

Tgt Ion: 95 Resp: 1918043
Ion Ratio Lower Upper
95 100
97 64.2 44.7 83.1
132 95.0 66.8 124.0
130 99.2 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

