

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081119\
 Data File : VU033757.D
 Acq On : 11 Aug 2019 17:08
 Operator : JC/SP
 Sample : K4289-12RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B36RE

Quant Time: Aug 12 06:57:43 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	286274	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	293379	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	133445	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	68178	32.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.70%
7) Chloroethane-d5	1.67	69	68680	32.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	65.04%#
11) 1,1-Dichloroethene-d2	2.26	63	87286	24.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	49.26%#
21) 2-Butanone-d5	4.14	46	197912	151.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	151.49%#
24) Chloroform-d	4.62	84	157107	50.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.36%
26) 1,2-Dichloroethane-d4	5.29	65	106388	54.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.68%
32) Benzene-d6	5.32	84	278047	40.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.32%
36) 1,2-Dichloropropane-d6	6.31	67	105189	49.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.02%
41) Toluene-d8	7.55	98	226781	34.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	69.64%#
43) trans-1,3-Dichloropropene-	7.83	79	45605	42.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.00%
47) 2-Hexanone-d5	8.29	63	140785	127.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	127.92%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	198300	63.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	126.18%#
64) 1,2-Dichlorobenzene-d4	11.84	152	117545	52.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.68%

Target Compounds

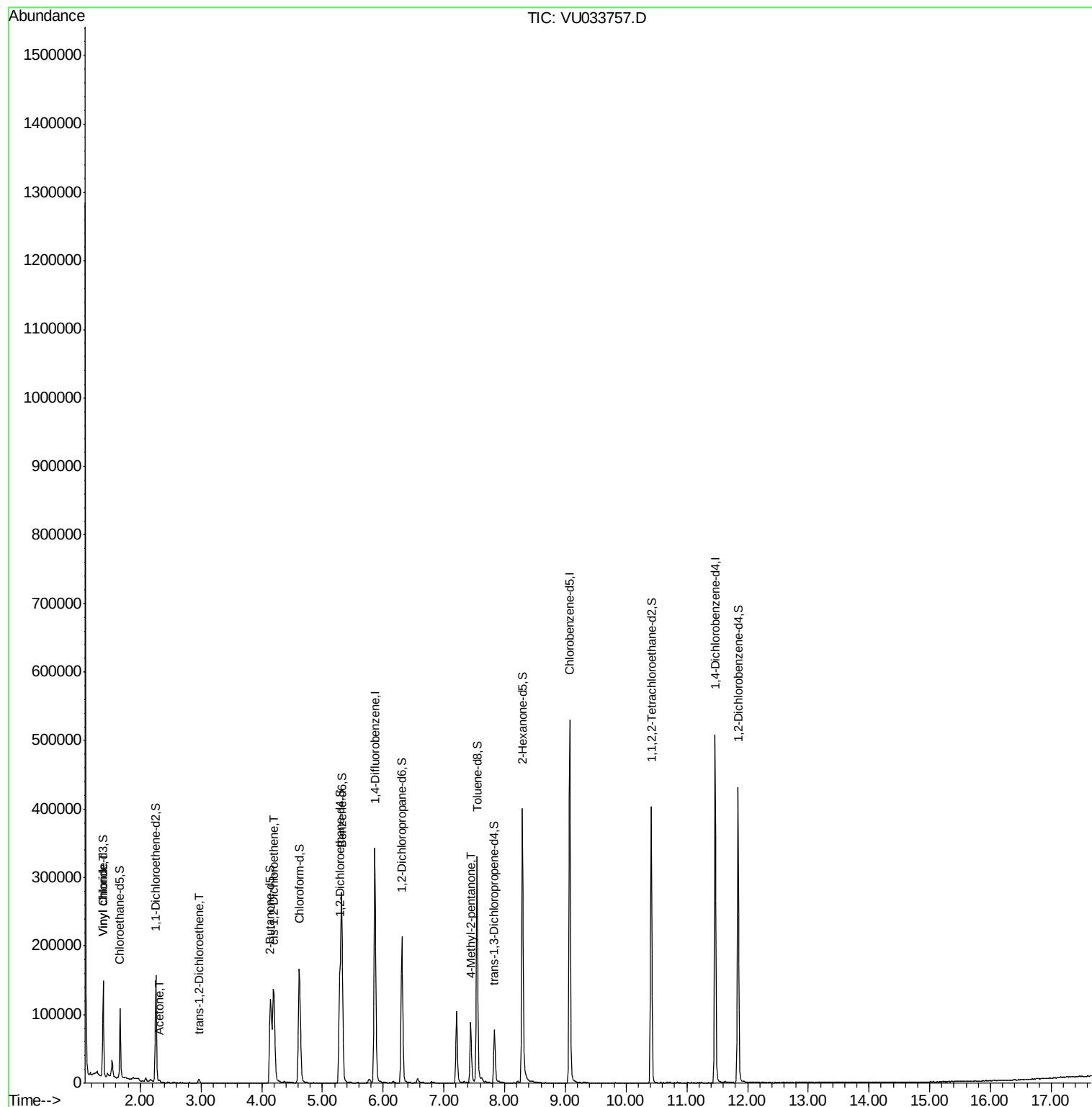
					Ovalue
5) Vinyl chloride	1.40	62	20451	8.486	ug/L 97
13) Acetone	2.31	43	2884	2.196	ug/L 96
17) trans-1,2-Dichloroethene	2.97	96	2590	1.436	ug/L 86
20) cis-1,2-Dichloroethene	4.20	96	72587	35.272	ug/L 95
40) 4-Methyl-2-pentanone	7.44	43	58744	18.128	ug/L 97

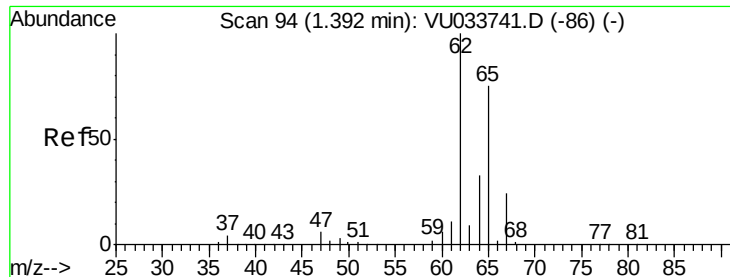
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 8.486 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033757.D

Acq: 11 Aug 2019 17:08

Instrument :

MSVOA_U

ClientSampleId :

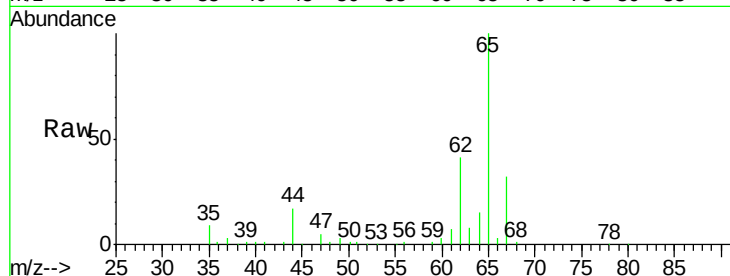
F2B36RE

Tot Ion: 62 Resp: 20451

Ion Ratio Lower Upper

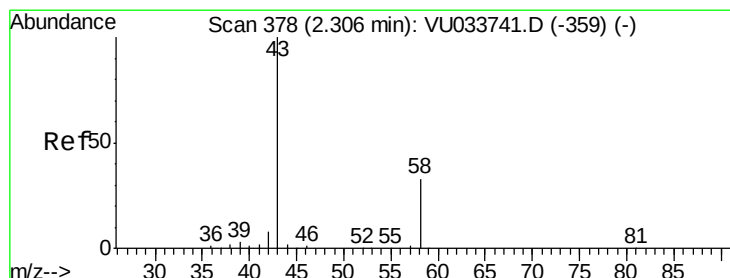
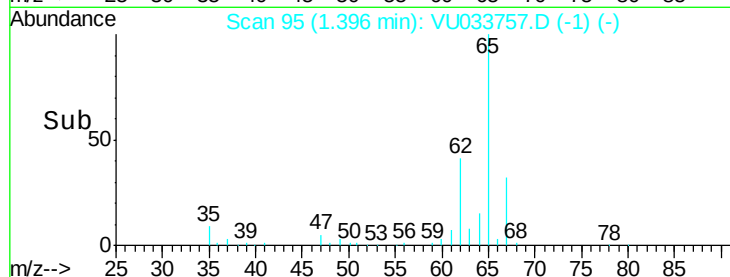
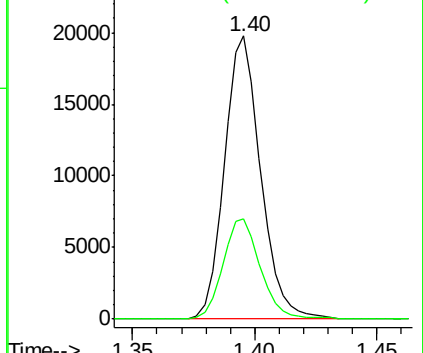
62 100

64 35.5 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#13

Acetone

Concen: 2.196 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU033757.D

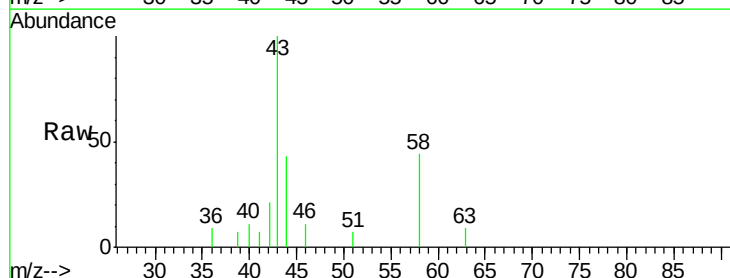
Acq: 11 Aug 2019 17:08

Tgt Ion: 43 Resp: 2884

Ion Ratio Lower Upper

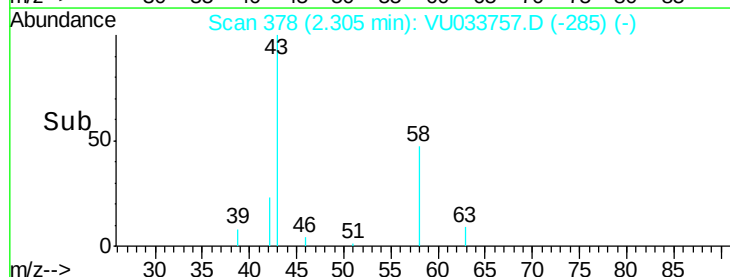
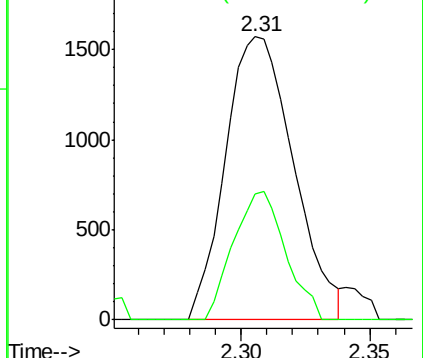
43 100

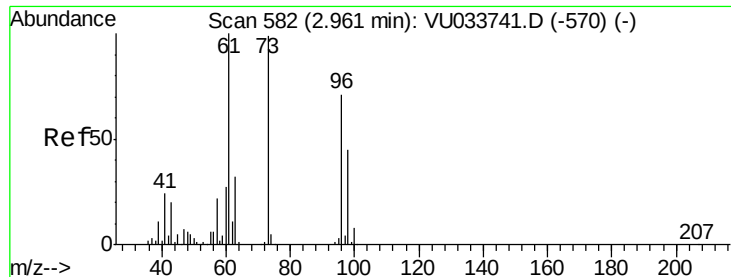
58 34.8 0.0 65.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 1.436 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU033757.D

Acq: 11 Aug 2019 17:08

Instrument :

MSVOA_U

ClientSampleId :

F2B36RE

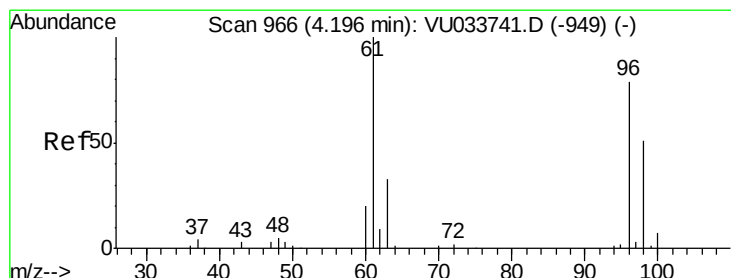
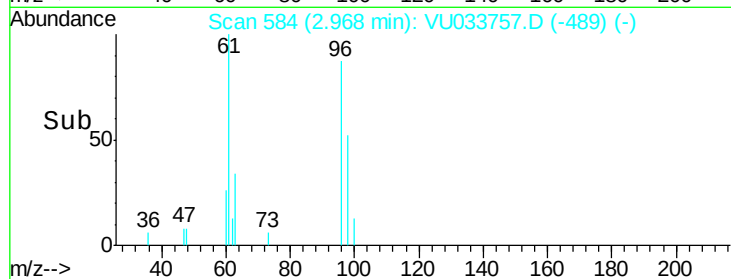
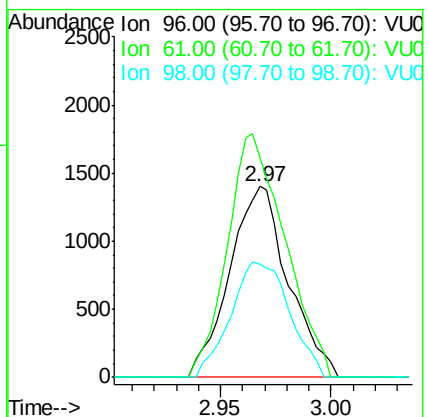
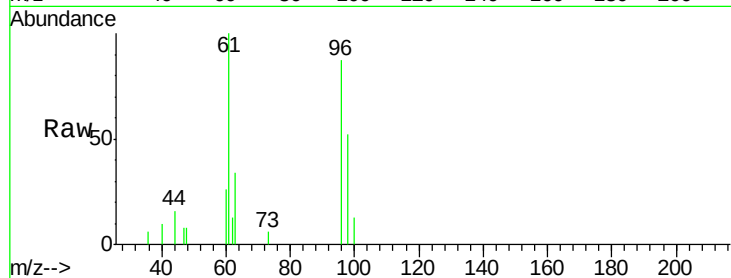
Tot Ion: 96 Resp: 2590

Ion Ratio Lower Upper

96 100

61 115.2 95.6 177.6

98 59.6 44.6 82.8



#20

cis-1,2-Dichloroethene

Concen: 35.272 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033757.D

Acq: 11 Aug 2019 17:08

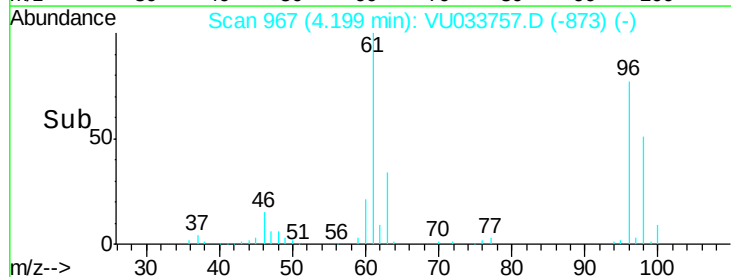
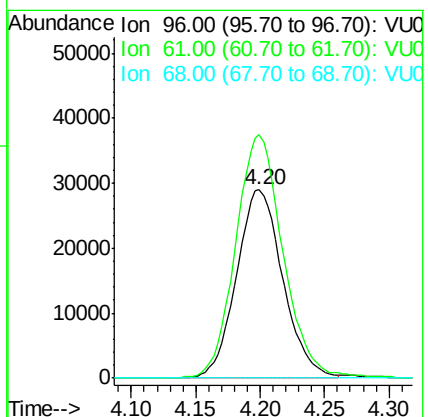
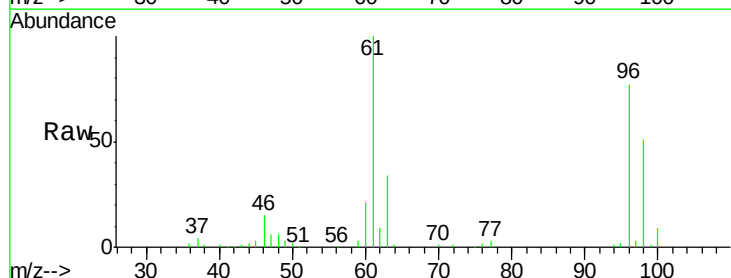
Tgt Ion: 96 Resp: 72587

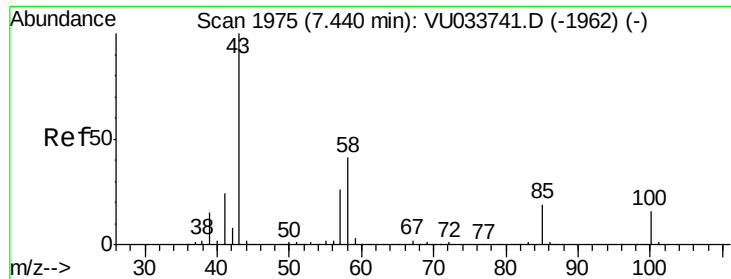
Ion Ratio Lower Upper

96 100

61 129.4 87.0 161.6

68 0.0 0.0 0.0





#40
 4-Methyl-2-pentanone
 Concen: 18.128 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU033757.D
 Acq: 11 Aug 2019 17:08

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B36RE

Tot Ion: 43 Resp: 58744
 Ion Ratio Lower Upper
 43 100
 58 40.6 33.4 50.0
 100 13.9 13.2 19.8

