

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100219\
 Data File : VU034893.D
 Acq On : 01 Oct 2019 17:23
 Operator : JC/SP
 Sample : K5028-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDL9

Quant Time: Oct 02 02:14:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 02 01:50:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	333942	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	326634	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	137577	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	98413	42.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.10%
7) Chloroethane-d5	1.67	69	88957	45.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.48%
11) 1,1-Dichloroethene-d2	2.26	63	150058	35.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.92%
21) 2-Butanone-d5	4.15	46	248182	108.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.67%
24) Chloroform-d	4.62	84	215217	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.78%
26) 1,2-Dichloroethane-d4	5.29	65	157452	47.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.42%
32) Benzene-d6	5.32	84	417638	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.96%
36) 1,2-Dichloropropane-d6	6.31	67	147133	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.26%
41) Toluene-d8	7.54	98	391581	46.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.83	79	62500	46.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.32%
47) 2-Hexanone-d5	8.29	63	165263	112.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.94%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	207744	47.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.16%
64) 1,2-Dichlorobenzene-d4	11.84	152	137641	50.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.56%

Target Compounds

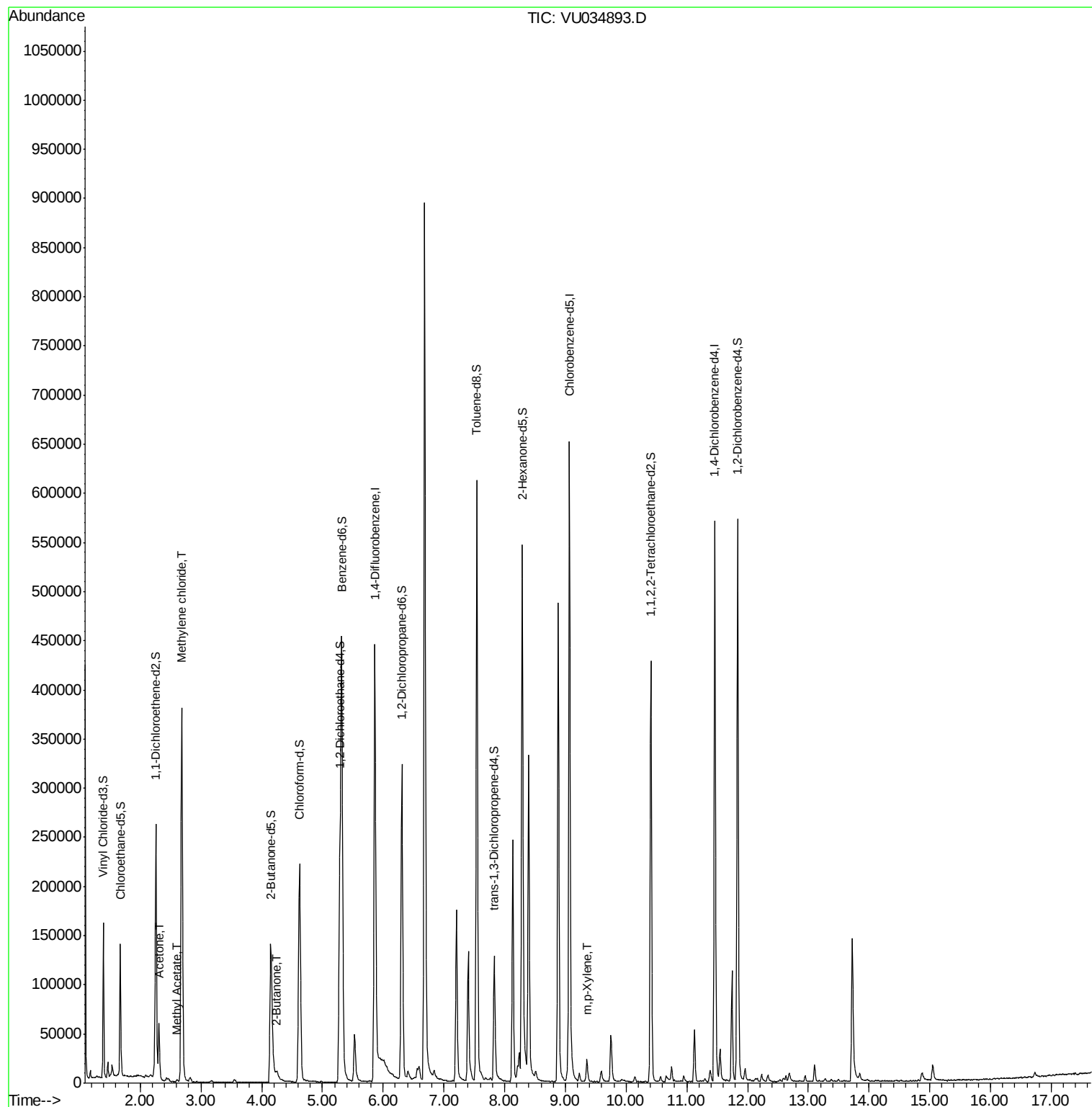
					Ovalue
13) Acetone	2.31	43	62708	34.547 ug/L	99
15) Methyl Acetate	2.61	43	3033	1.047 ug/L #	83
16) Methylene chloride	2.68	84	153909	84.130 ug/L	97
22) 2-Butanone	4.26	43	14414	6.114 ug/L	95
53) m,p-Xylene	9.36	106	6522	2.121 ug/L	95

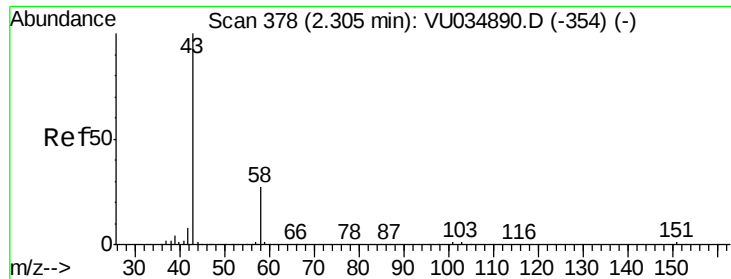
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 34.547 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034893.D

Acq: 01 Oct 2019 17:23

Instrument :

MSVOA_U

ClientSampled :

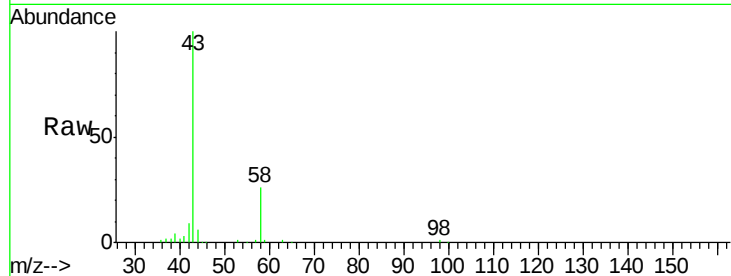
BFDL9

Tot Ion: 43 Resp: 62708

Ion Ratio Lower Upper

43 100

58 25.9 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.31

40000

30000

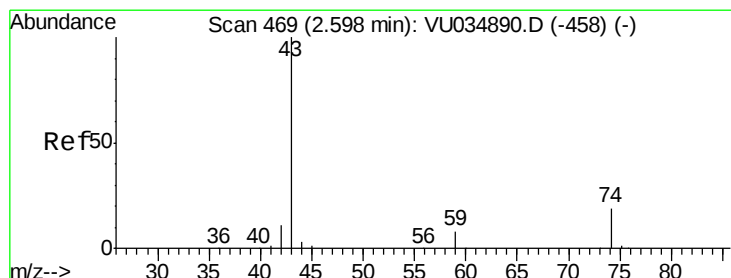
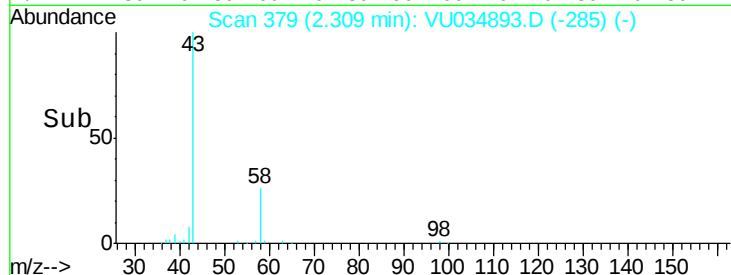
20000

10000

0

2.25 2.30 2.35

Time-->



#15

Methyl Acetate

Concen: 1.047 ug/L

RT: 2.61 min Scan# 472

Delta R.T. 0.01 min

Lab File: VU034893.D

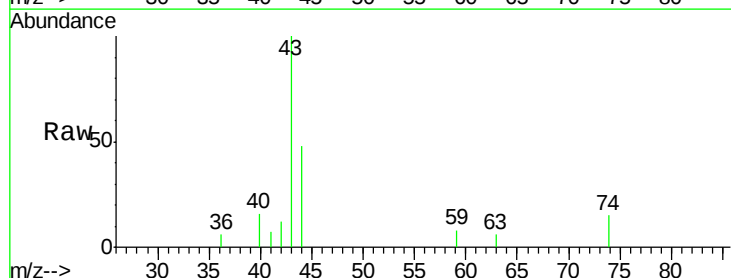
Acq: 01 Oct 2019 17:23

Tgt Ion: 43 Resp: 3033

Ion Ratio Lower Upper

43 100

74 11.3 15.3 22.9#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2000

1500

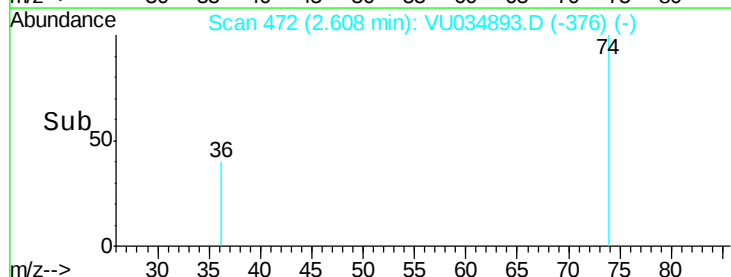
1000

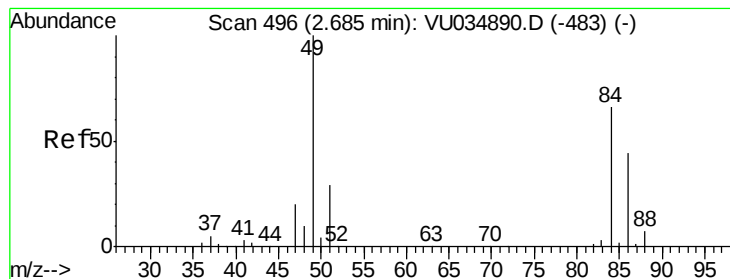
500

0

2.55 2.60 2.65

Time-->





#16

Methylene chloride

Concen: 84.130 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034893.D

Acq: 01 Oct 2019 17:23

Instrument :

MSVOA_U

ClientSampleId :

BFDL9

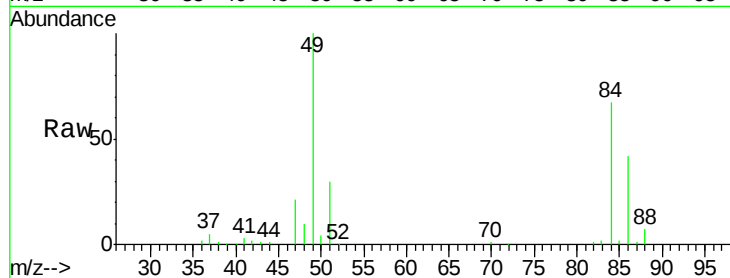
Tot Ion: 84 Resp: 153909

Ion Ratio Lower Upper

84 100

86 63.2 44.7 82.9

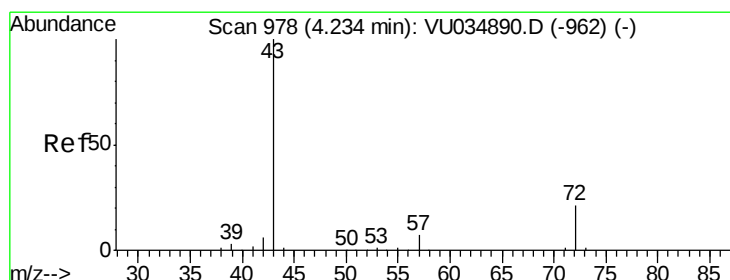
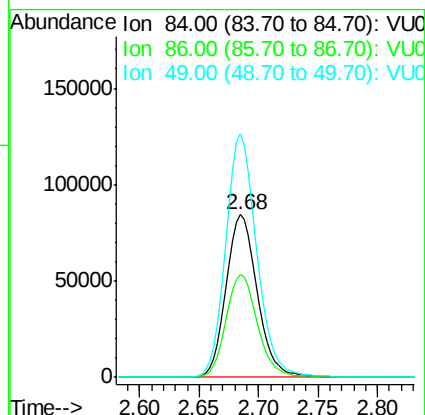
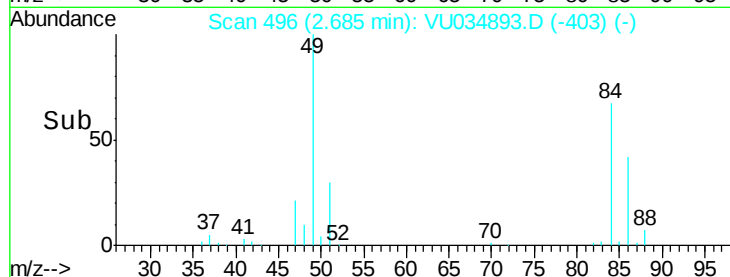
49 149.6 100.7 186.9



Abundance Ion 84.00 (83.70 to 84.70): VU034893.D (-403) (-)

Ion 86.00 (85.70 to 86.70): VU034893.D (-403) (-)

Ion 49.00 (48.70 to 49.70): VU034893.D (-403) (-)



#22

2-Butanone

Concen: 6.114 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.02 min

Lab File: VU034893.D

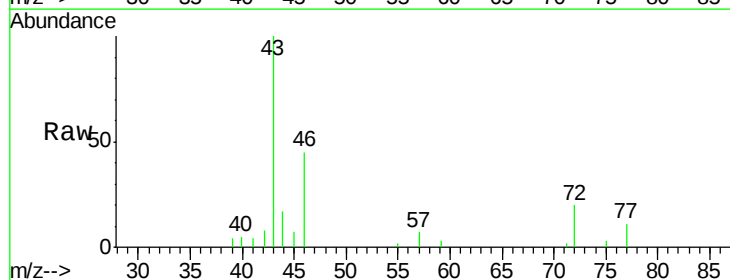
Acq: 01 Oct 2019 17:23

Tgt Ion: 43 Resp: 14414

Ion Ratio Lower Upper

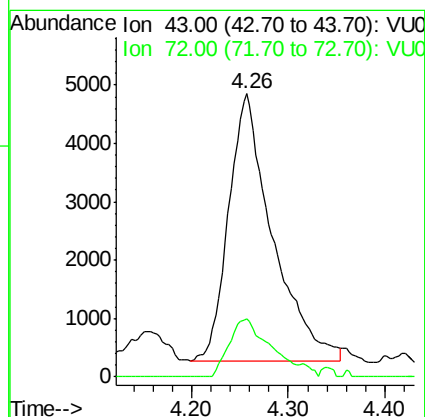
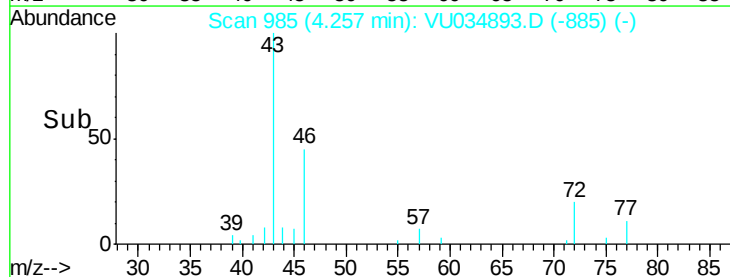
43 100

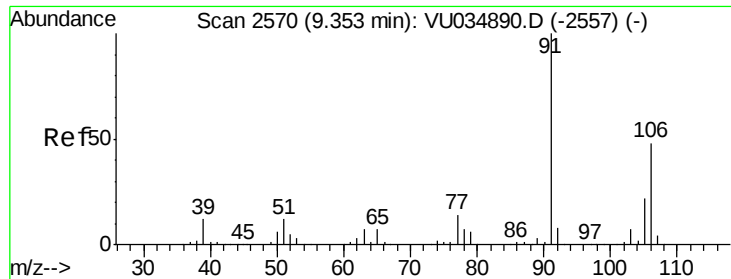
72 20.0 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VU034893.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VU034893.D (-885) (-)





#53
 m,p-Xylene
 Concen: 2.121 ug/L
 RT: 9.36 min Scan# 2572
 Delta R.T. 0.01 min
 Lab File: VU034893.D
 Acq: 01 Oct 2019 17:23

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDL9

Tot Ion:106 Resp: 6522
 Ion Ratio Lower Upper
 106 100
 91 206.6 150.1 278.9

