

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072519\
 Data File : VU033425.D
 Acq On : 25 Jul 2019 21:28
 Operator : JC/SP
 Sample : K3982-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA4

Quant Time: Jul 26 07:05:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 26 05:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	273718	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	281647	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	120784	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	122530	59.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	118.26%
7) Chloroethane-d5	1.67	69	108833	61.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	122.96%
11) 1,1-Dichloroethene-d2	2.25	63	164971	43.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.78%
21) 2-Butanone-d5	4.15	46	145804	111.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.06%
24) Chloroform-d	4.62	84	181890	52.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.76%
26) 1,2-Dichloroethane-d4	5.29	65	128905	57.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.76%
32) Benzene-d6	5.32	84	394811	57.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.28%
36) 1,2-Dichloropropane-d6	6.31	67	123958	56.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.02%
41) Toluene-d8	7.55	98	357436	54.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.72%
43) trans-1,3-Dichloropropene-	7.83	79	55951	51.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.10%
47) 2-Hexanone-d5	8.30	63	105894	106.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.13%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	188111	56.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.30%
64) 1,2-Dichlorobenzene-d4	11.85	152	132946	61.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	123.44%#

Target Compounds

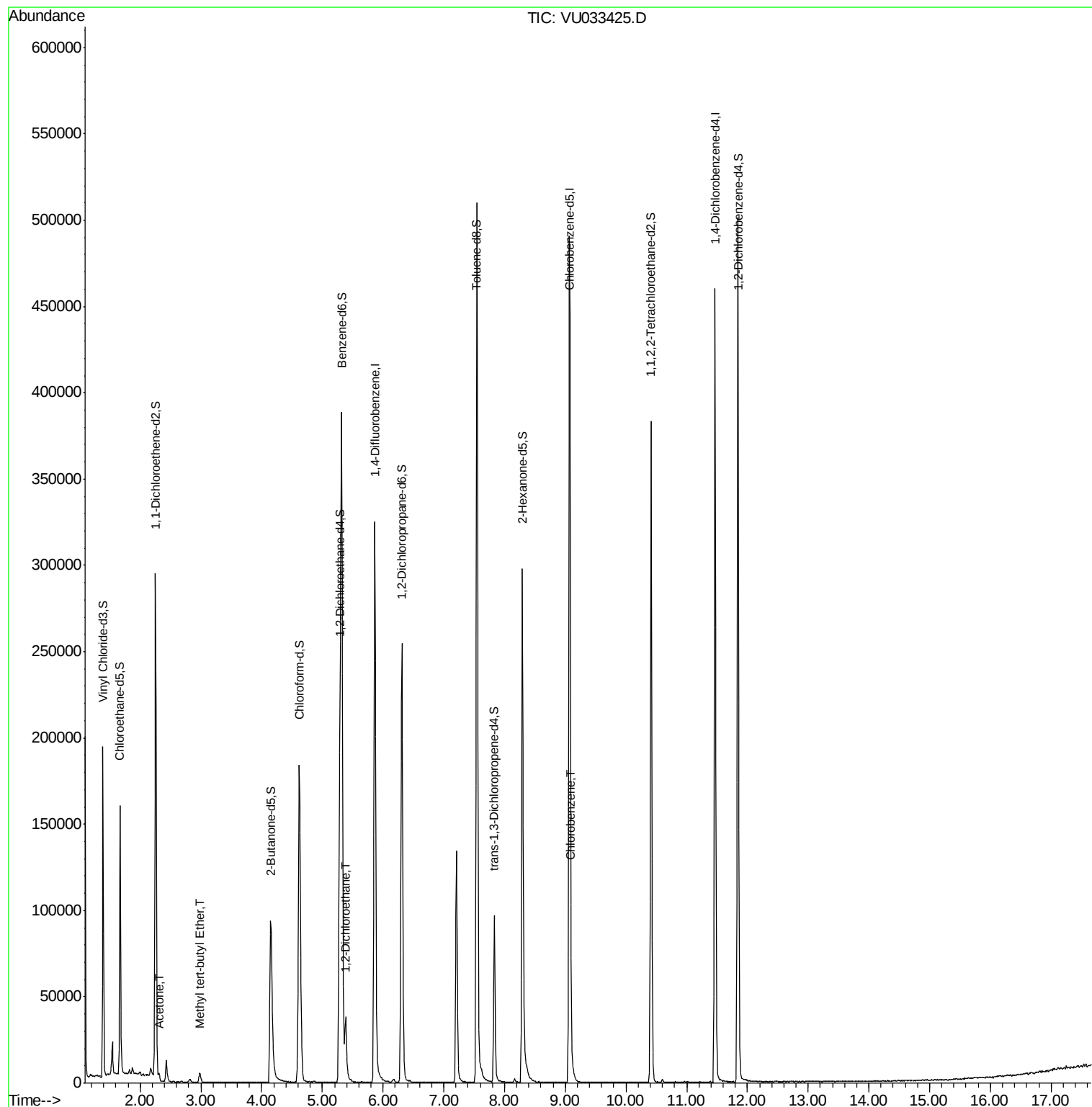
					Ovalue
13) Acetone	2.31	43	2603	1.587 ug/L	79
18) Methyl tert-butyl Ether	2.98	73	5875	1.008 ug/L #	86
27) 1,2-Dichloroethane	5.38	62	29973	10.027 ug/L	97
51) Chlorobenzene	9.10	112	3302	0.571 ug/L #	83

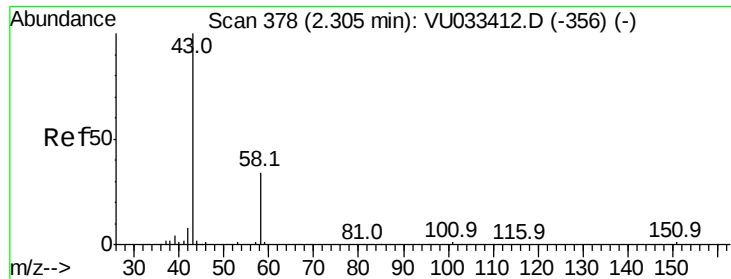
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.587 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

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ClientSampleId :

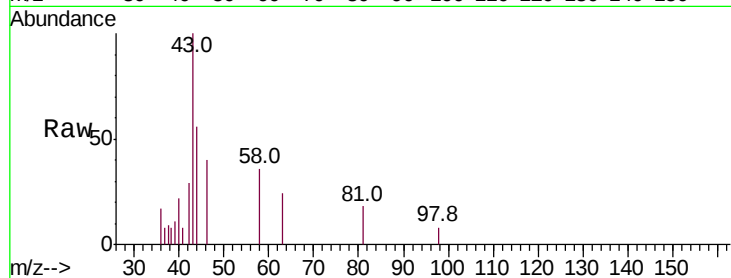
C0AA4

Tot Ion: 43 Resp: 2603

Ion Ratio Lower Upper

43 100

58 20.9 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033412.D (-356) (-)

Ion 58.00 (57.70 to 58.70): VU033412.D (-356) (-)

2.31

1500

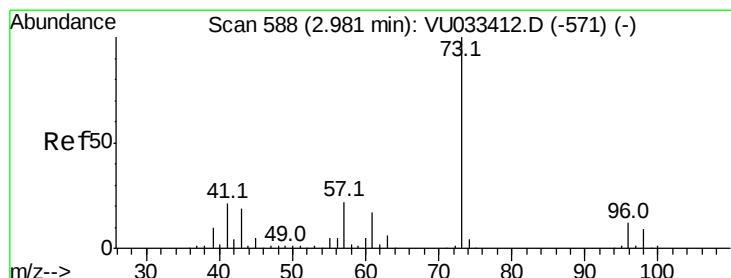
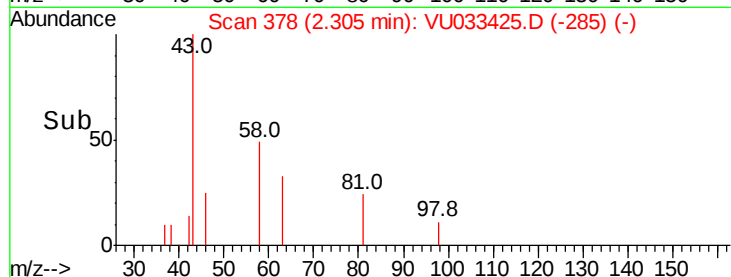
1000

500

0

2.25 2.30 2.35

Time-->



#18

Methyl tert-butyl Ether

Concen: 1.008 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

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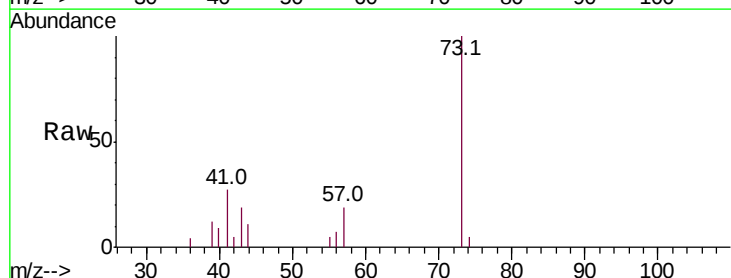
Tgt Ion: 73 Resp: 5875

Ion Ratio Lower Upper

73 100

43 16.5 15.7 23.5

57 12.9 17.8 26.6#



Abundance Ion 73.00 (72.70 to 73.70): VU033412.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033412.D (-571) (-)

Ion 57.00 (56.70 to 57.70): VU033412.D (-571) (-)

2.98

3000

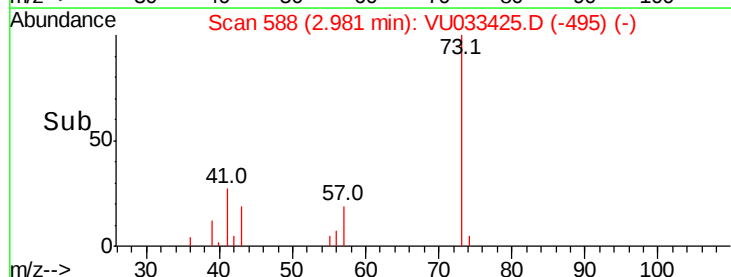
2000

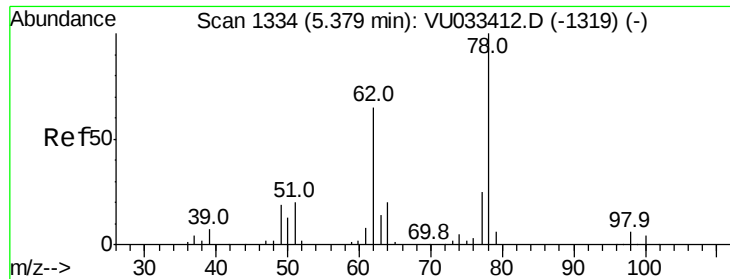
1000

0

2.90 2.95 3.00 3.05

Time-->





#27

1,2-Dichloroethane

Concen: 10.027 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

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ClientSampleId :

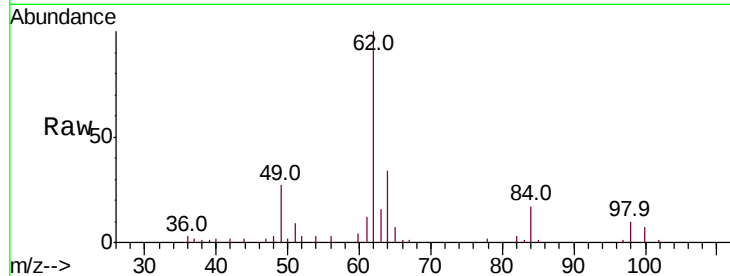
C0AA4

Tot Ion: 62 Resp: 29973

Ion Ratio Lower Upper

62 100

98 9.8 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VU033412.D (-1319) (-)

Ion 98.00 (97.70 to 98.70): VU033412.D (-1319) (-)

5.38

15000

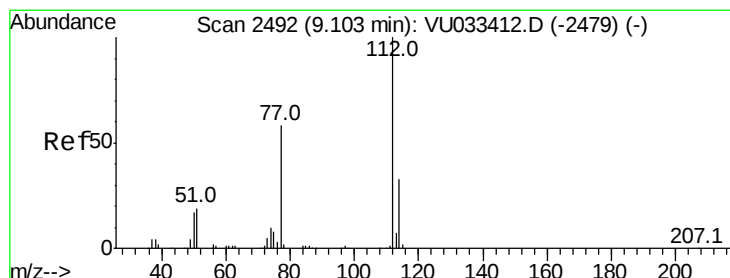
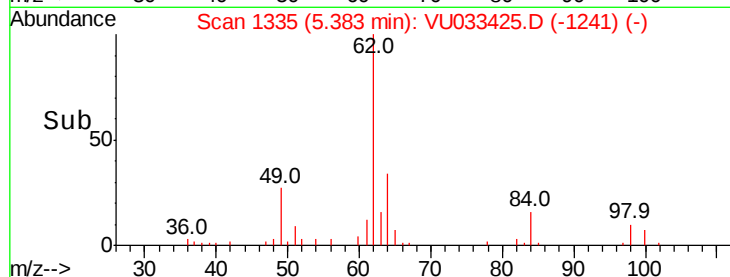
10000

5000

0

Time-->

5.30 5.35 5.40 5.45



#51

Chlorobenzene

Concen: 0.571 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. -0.00 min

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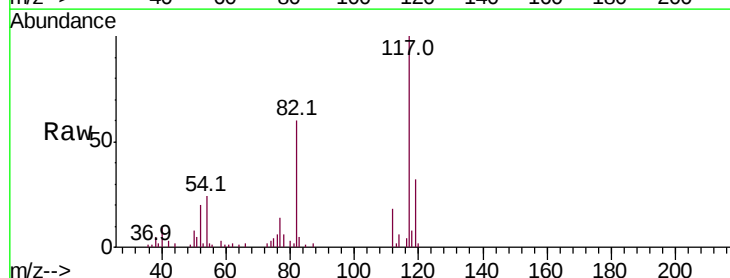
Tgt Ion: 112 Resp: 3302

Ion Ratio Lower Upper

112 100

114 33.7 22.3 41.3

77 77.4 47.2 70.8#



Abundance Ion 112.00 (111.70 to 112.70): VU033412.D (-2479) (-)

Ion 114.00 (113.70 to 114.70): VU033412.D (-2479) (-)

Ion 77.00 (76.70 to 77.70): VU033412.D (-2479) (-)

2500

2000

1500

1000

500

0

Time-->

9.05 9.10 9.15

