

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111718\
 Data File : VU028238.D
 Acq On : 17 Nov 2018 20:41
 Operator : MD/SY
 Sample : J5986-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FJ8

Quant Time: Nov 19 03:50:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 19 03:08:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	147067	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	142505	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	63517	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	50541	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.68	69	42808	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.28	63	76631	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	4.21	46	194886	52.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.24%
24) Chloroform-d	4.65	84	92672	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.31	65	55594	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.34	84	194318	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.33	67	70382	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.57	98	169533	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	7.85	79	20051	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.31	63	145877	51.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	52326	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	60908	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

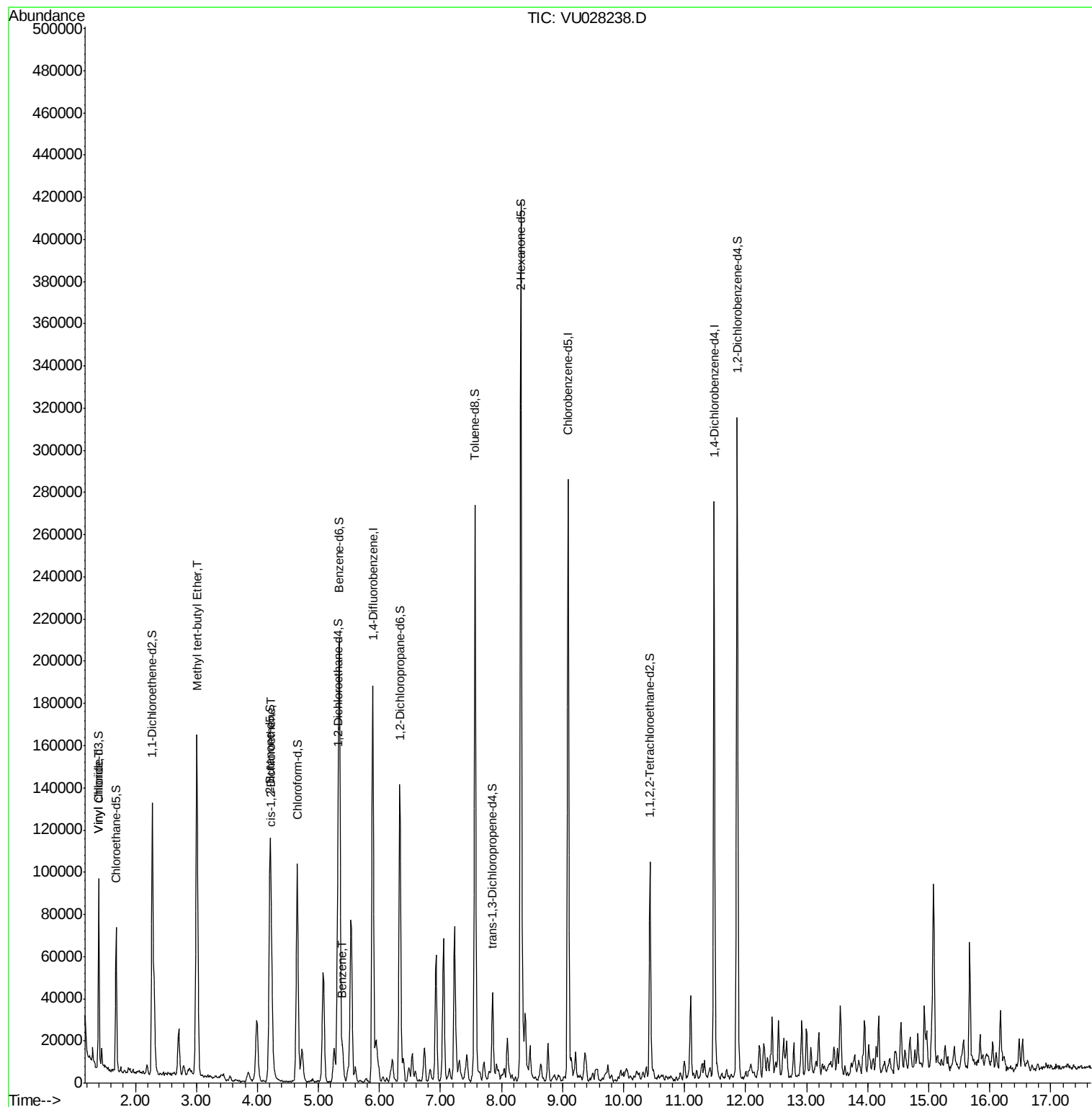
					Qvalue
5) Vinyl chloride	1.41	62	3657	0.24 ug/L	# 60
17) Methyl tert-butyl Ether	3.01	73	154238	5.67 ug/L	97
22) cis-1,2-Dichloroethene	4.23	96	8493	0.75 ug/L	89
33) Benzene	5.39	78	13030	0.28 ug/L	100

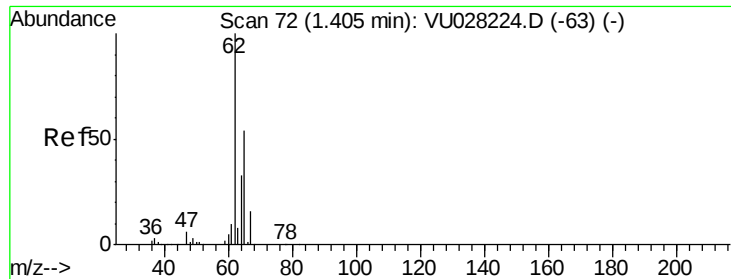
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.24 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

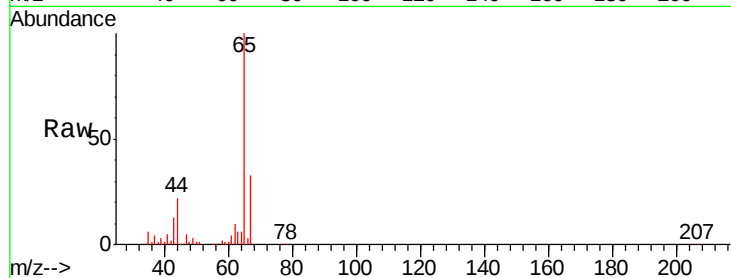
H0FJ8

Tgt Ion: 62 Resp: 3657

Ion Ratio Lower Upper

62 100

64 52.9 21.7 40.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.41

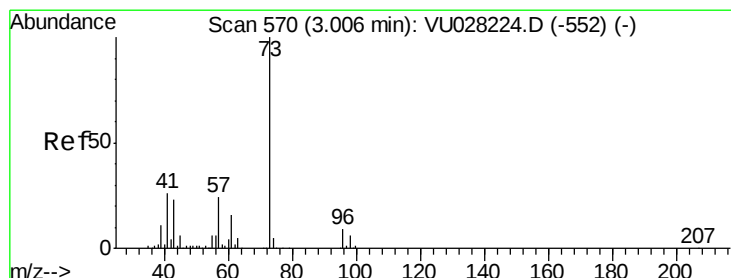
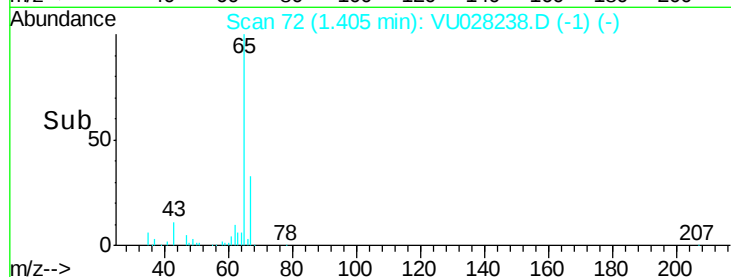
3000

2000

1000

0

Time-->



#17

Methyl tert-butyl Ether

Concen: 5.67 ug/L

RT: 3.01 min Scan# 571

Delta R.T. 0.00 min

Lab File: VU028238.D

Acq: 17 Nov 2018 20:41

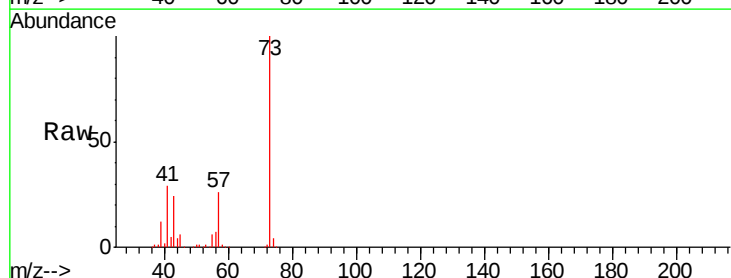
Tgt Ion: 73 Resp: 154238

Ion Ratio Lower Upper

73 100

43 24.1 18.8 28.2

57 26.2 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0

3.01

80000

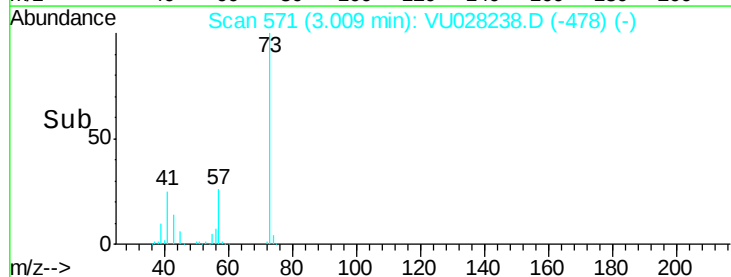
60000

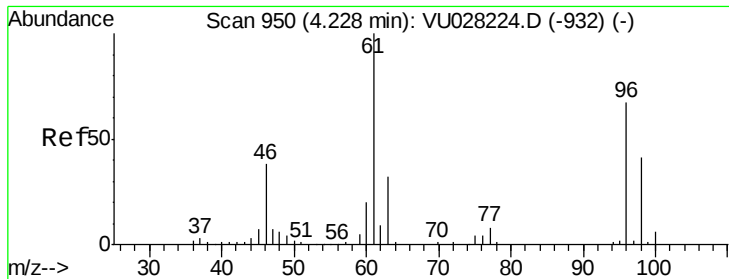
40000

20000

0

Time-->



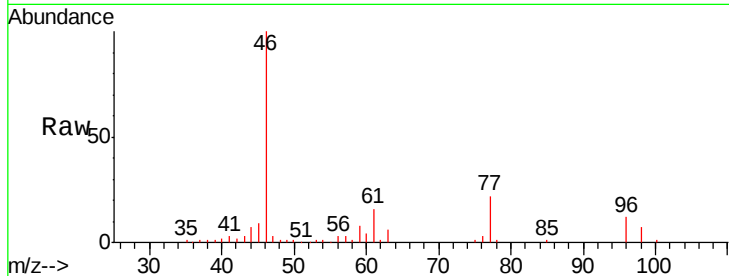


#22

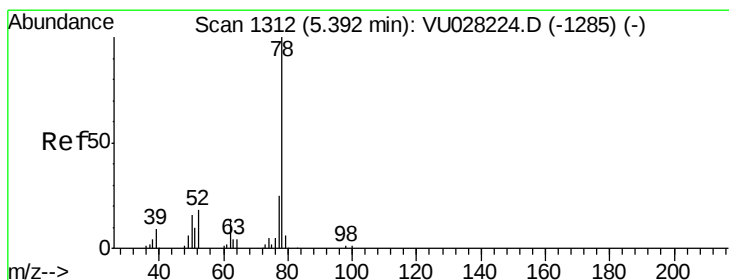
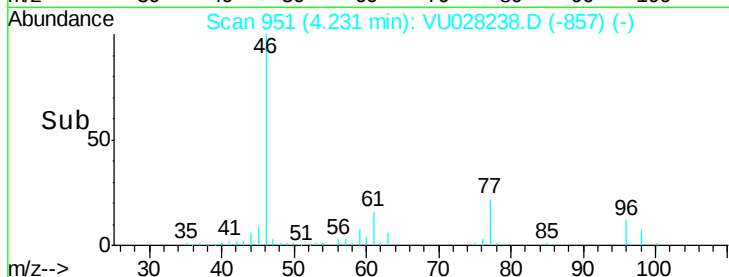
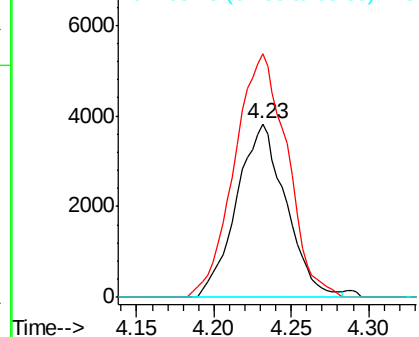
cis-1,2-Dichloroethene
Concen: 0.75 ug/L
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
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Tgt Ion: 96 Resp: 8493
Ion Ratio Lower Upper
96 100
61 140.5 108.0 200.6
68 0.0 0.0 0.0



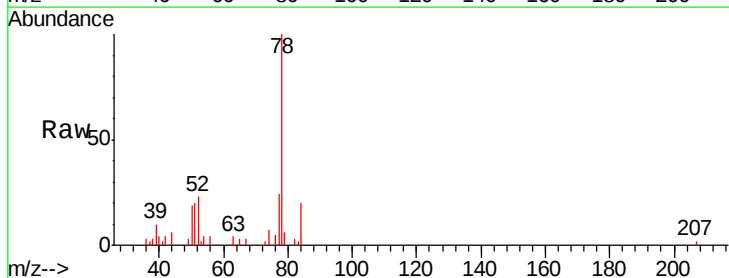
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#33

Benzene
Concen: 0.28 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU028238.D
Acq: 17 Nov 2018 20:41

Tgt Ion: 78 Resp: 13030



Abundance Ion 78.10 (77.80 to 78.80): VU0

