

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071818\
 Data File : VU025501.D
 Acq On : 18 Jul 2018 16:47
 Operator : MD/SY
 Sample : J3984-16
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 19 01:51:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 19 01:07:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	286123	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	258985	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	124245	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	65323	48.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.82%
7) Chloroethane-d5	1.68	69	59416	51.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.38%
11) 1,1-Dichloroethene-d2	2.27	63	113180	38.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.40%
21) 2-Butanone-d5	4.18	46	150482	104.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.81%
24) Chloroform-d	4.65	84	182637	52.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.36%
26) 1,2-Dichloroethane-d4	5.31	65	124543	52.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.56%
32) Benzene-d6	5.35	84	336414	53.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.50%
36) 1,2-Dichloropropane-d6	6.33	67	114304	55.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.30%
41) Toluene-d8	7.57	98	316300	52.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.42%
43) trans-1,3-Dichloropropene-	7.85	79	56101	52.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.00%
47) 2-Hexanone-d5	8.31	63	109362	101.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.78%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	160140	52.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.08%
64) 1,2-Dichlorobenzene-d4	11.86	152	133755	53.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.44%

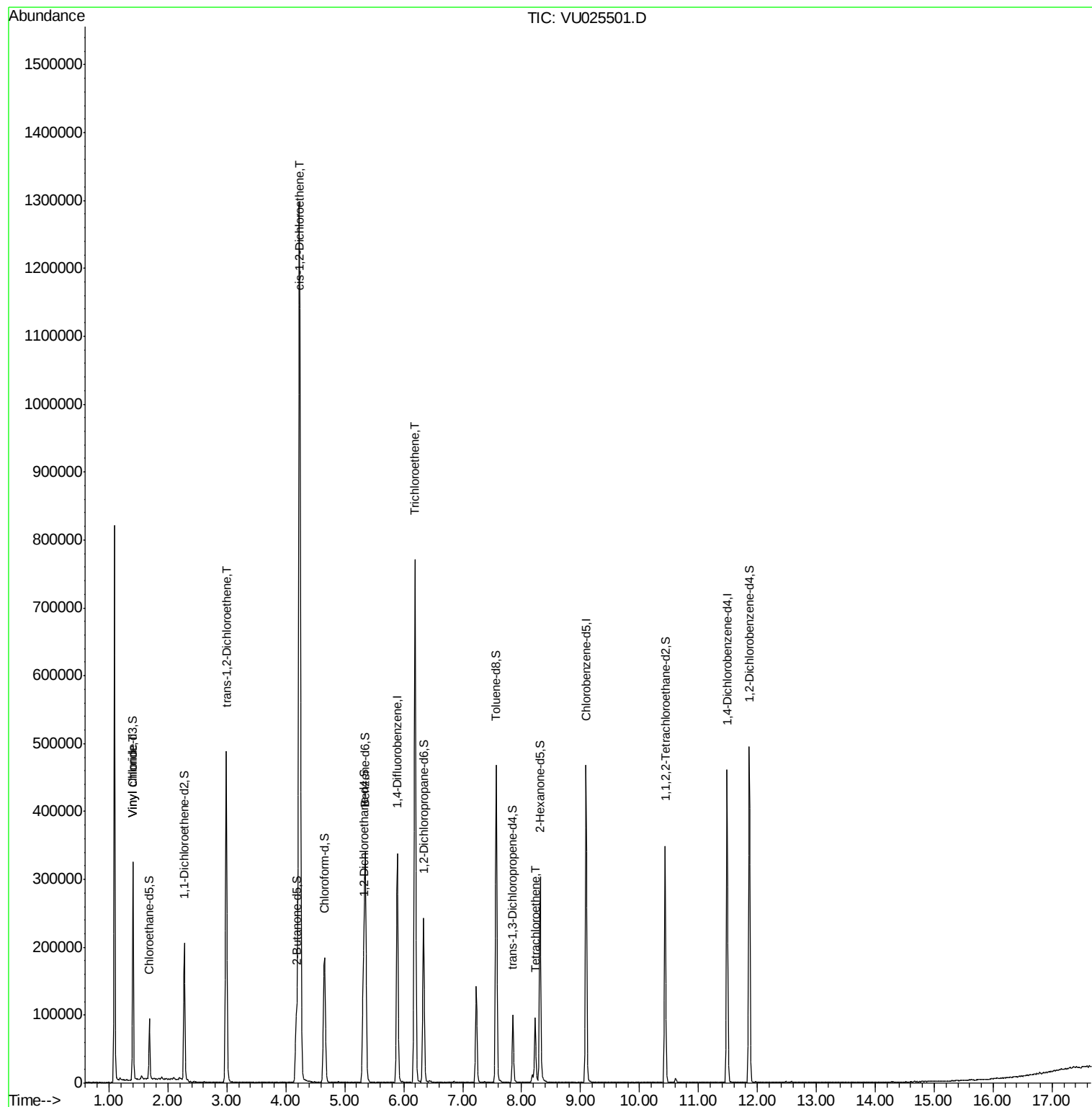
Target Compounds

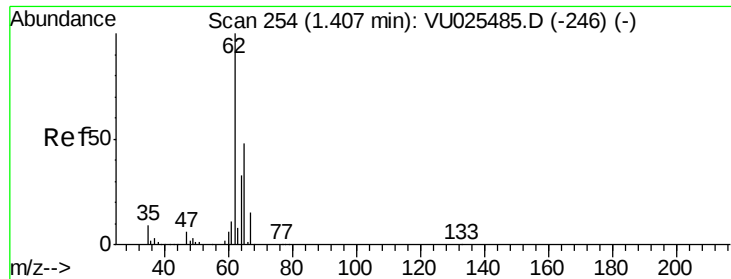
						Ovalue
5) Vinyl chloride	1.41	62	147126	70.24	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	189417	103.26	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	729185	324.67	ug/L	99
34) Trichloroethene	6.19	95	257709	127.06	ug/L	97
46) Tetrachloroethene	8.23	164	21053	12.44	ug/L	95

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

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#5

Vinyl chloride

Concen: 70.24 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025501.D

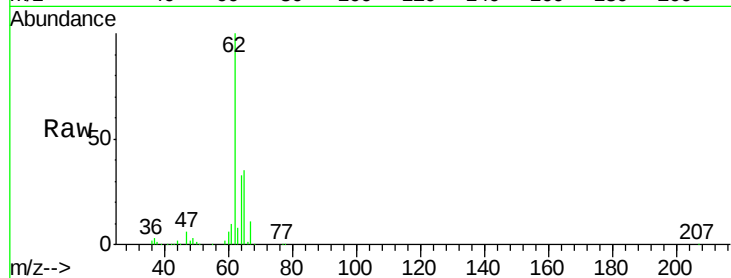
Acq: 18 Jul 2018 16:47

Tot Ion: 62 Resp: 147126

Ion Ratio Lower Upper

62 100

64 32.9 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

150000

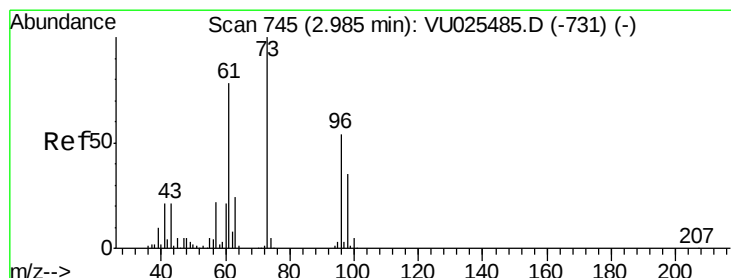
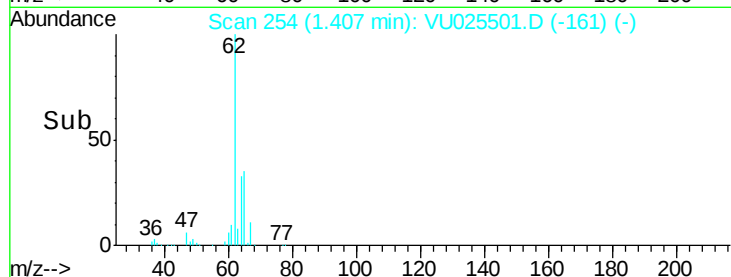
100000

50000

0

1.35 1.40 1.45 1.50

Time-->



#17

trans-1,2-Dichloroethene

Concen: 103.26 ug/L

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU025501.D

Acq: 18 Jul 2018 16:47

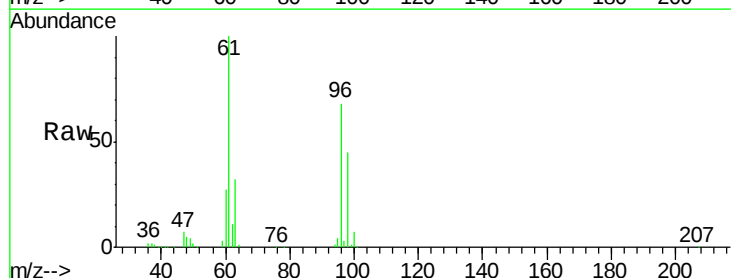
Tgt Ion: 96 Resp: 189417

Ion Ratio Lower Upper

96 100

61 147.7 103.6 192.4

98 66.4 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

200000

150000

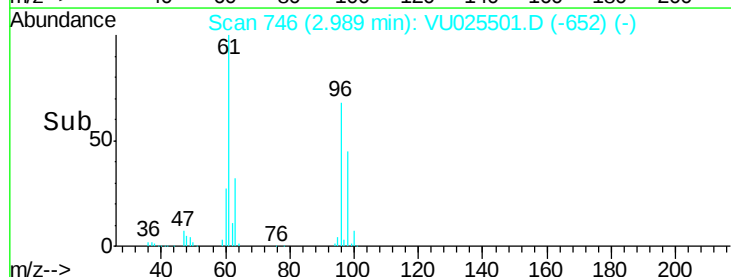
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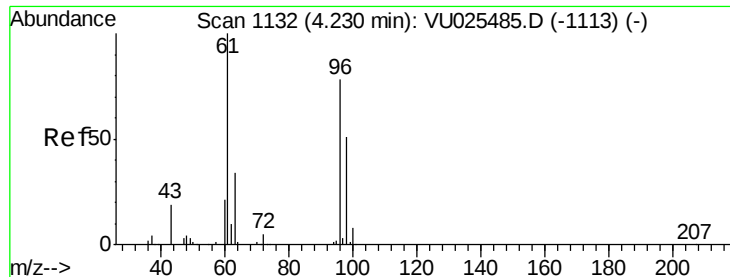
50000

0

2.90 2.95 3.00 3.05

Time-->





#20

cis-1,2-Dichloroethene

Concen: 324.67 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025501.D

Acq: 18 Jul 2018 16:47

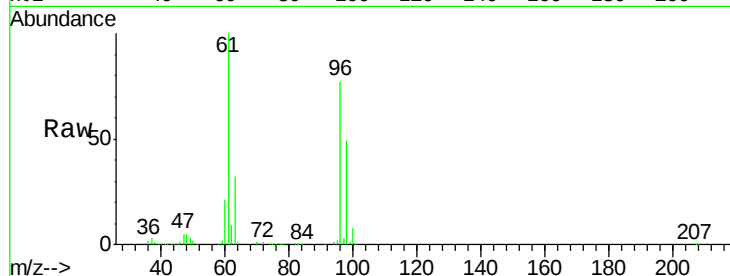
Tot Ion: 96 Resp: 729185

Ion Ratio Lower Upper

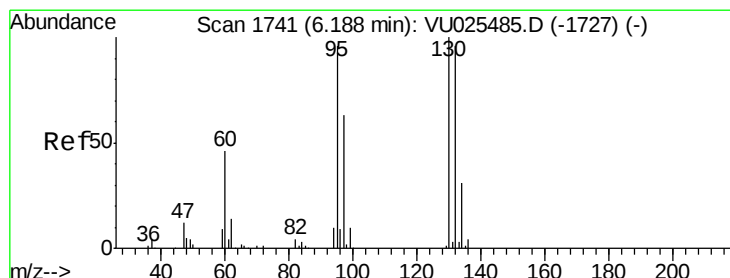
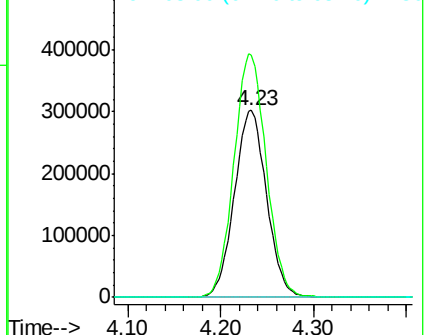
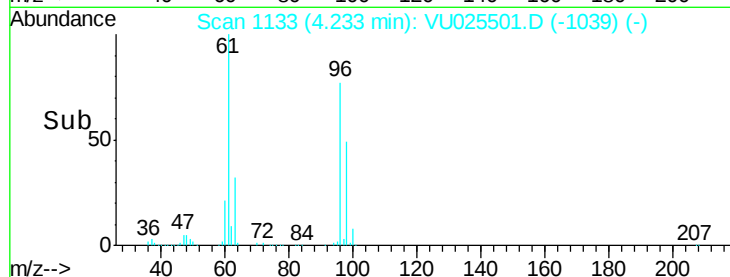
96 100

61 129.3 91.7 170.3

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU025501.D (-1039) (-)



#34

Trichloroethene

Concen: 127.06 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025501.D

Acq: 18 Jul 2018 16:47

Tgt Ion: 95 Resp: 257709

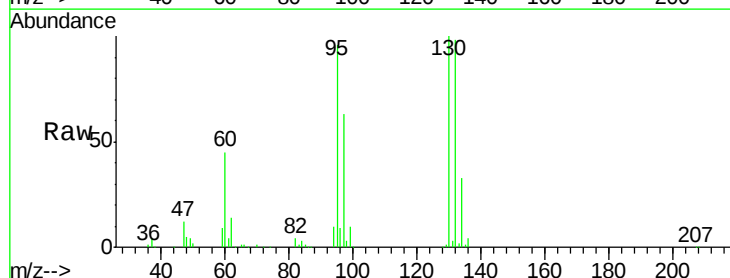
Ion Ratio Lower Upper

95 100

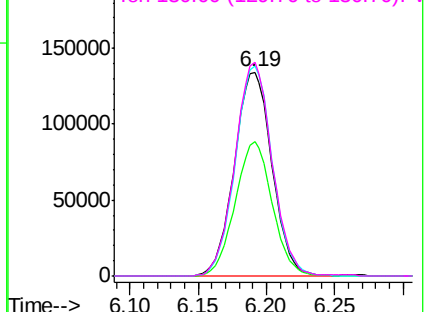
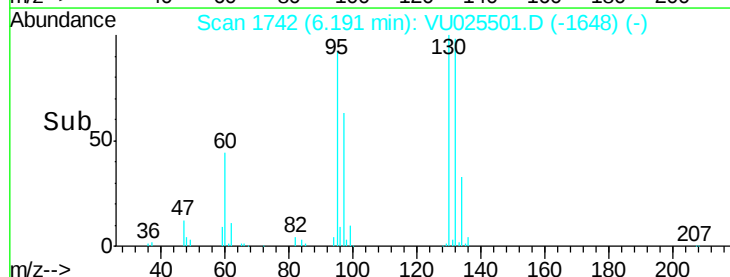
97 65.8 45.9 85.3

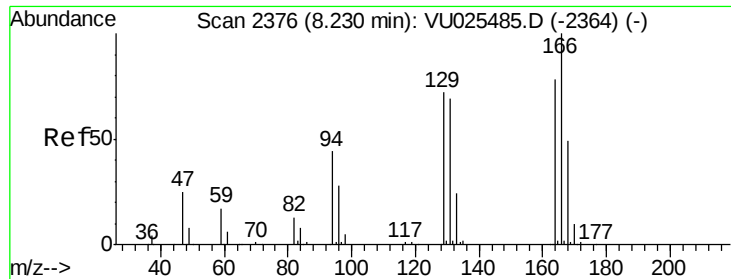
132 102.9 68.2 126.6

130 104.6 71.8 133.4



Abundance Ion 95.00 (94.70 to 95.70): VU025501.D (-1648) (-)





#46

Tetrachloroethene

Concen: 12.44 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025501.D

Acq: 18 Jul 2018 16:47

Tot Ion:164 Resp: 21053

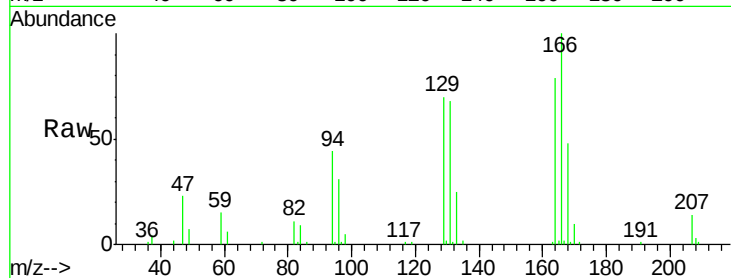
Ion Ratio Lower Upper

164 100

129 88.1 66.5 123.5

131 86.1 63.7 118.3

166 126.6 90.8 168.6



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

