

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071718\
 Data File : VU025469.D
 Acq On : 17 Jul 2018 20:33
 Operator : MD/SY
 Sample : J3984-12DL 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB188DL

Quant Time: Jul 18 06:59:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 18 06:47:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	339734	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	303340	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	142134	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75726	47.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.52%
7) Chloroethane-d5	1.68	69	67465	49.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.86%
11) 1,1-Dichloroethene-d2	2.28	63	132640	37.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.40%
21) 2-Butanone-d5	4.18	46	164180	96.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.30%
24) Chloroform-d	4.65	84	194601	46.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.64%
26) 1,2-Dichloroethane-d4	5.31	65	136082	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.22%
32) Benzene-d6	5.35	84	376765	51.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.34	67	124195	51.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.32%
41) Toluene-d8	7.57	98	353260	49.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.58%
43) trans-1,3-Dichloropropene-	7.85	79	60627	47.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.96%
47) 2-Hexanone-d5	8.31	63	118307	94.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.00%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	169880	47.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	139639	49.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.06%

Target Compounds

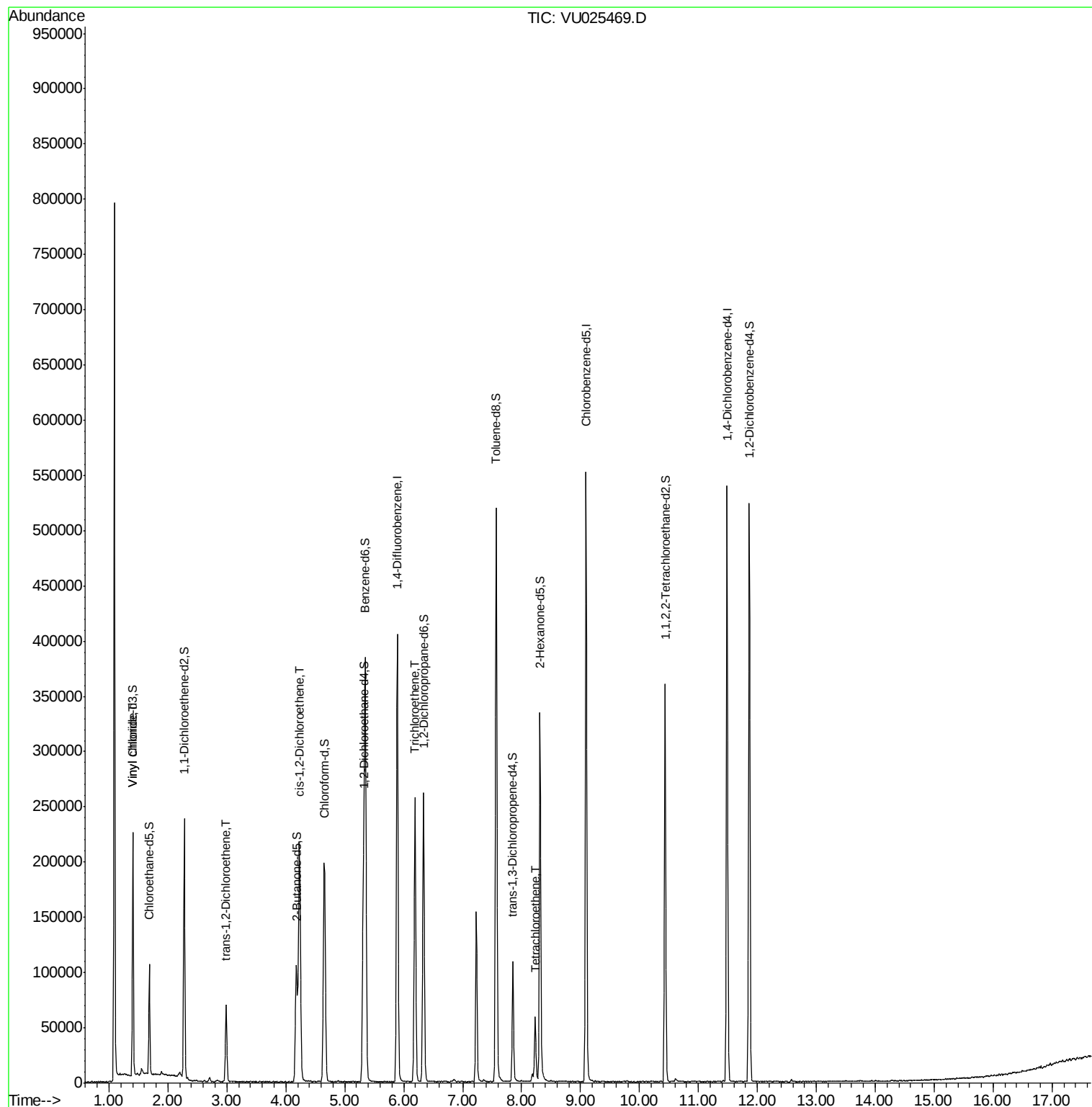
						Ovalue
5) Vinyl chloride	1.41	62	68994	27.74	ug/L	97
17) trans-1,2-Dichloroethene	2.99	96	26342	12.09	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	119890	44.96	ug/L	98
34) Trichloroethene	6.19	95	85076	35.81	ug/L	95
46) Tetrachloroethene	8.23	164	12937	6.53	ug/L	96

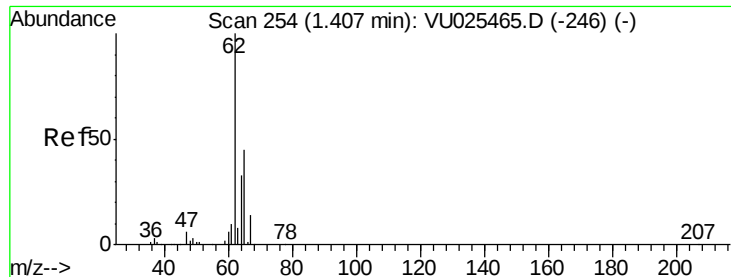
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 27.74 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

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Acq: 17 Jul 2018 20:33

Instrument :

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ClientSampleId :

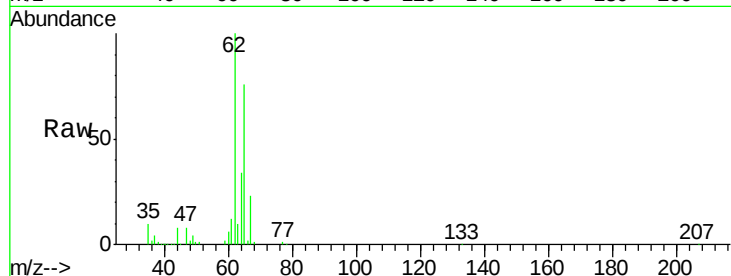
DB188DL

Tot Ion: 62 Resp: 68994

Ion Ratio Lower Upper

62 100

64 34.4 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.41

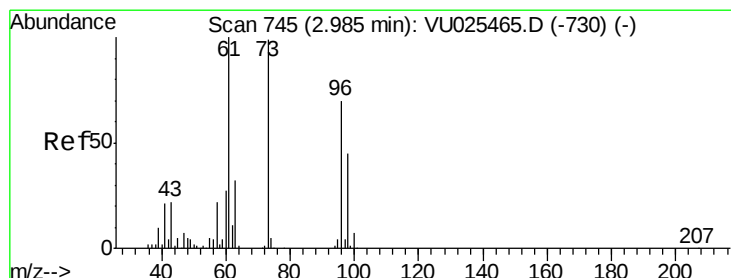
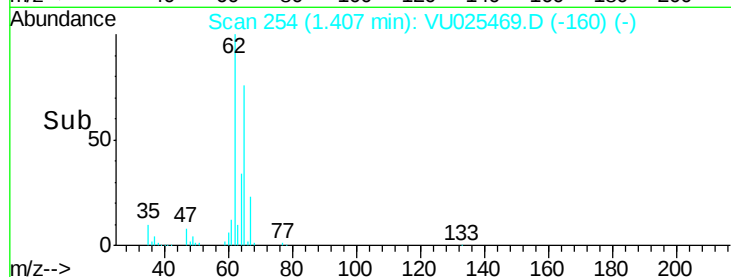
60000

40000

20000

0

Time--> 1.35 1.40 1.45



#17

trans-1,2-Dichloroethene

Concen: 12.09 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025469.D

Acq: 17 Jul 2018 20:33

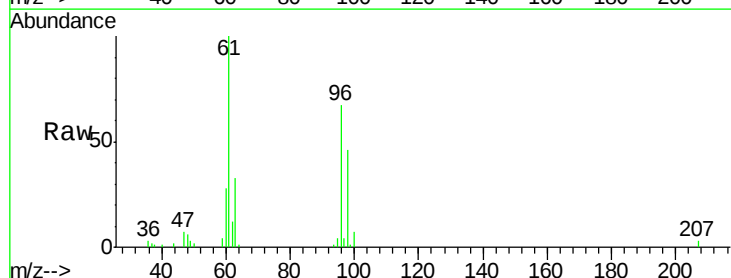
Tgt Ion: 96 Resp: 26342

Ion Ratio Lower Upper

96 100

61 148.2 103.6 192.4

98 68.3 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

25000

20000

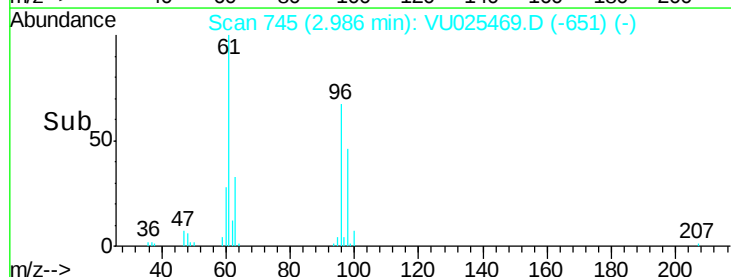
15000

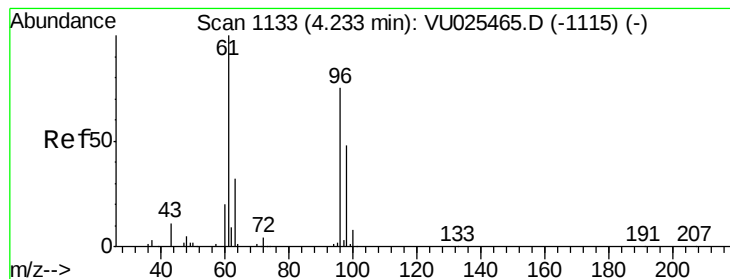
10000

5000

0

Time--> 2.90 2.95 3.00 3.05





#20

cis-1,2-Dichloroethene

Concen: 44.96 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025469.D

Acq: 17 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

DB188DL

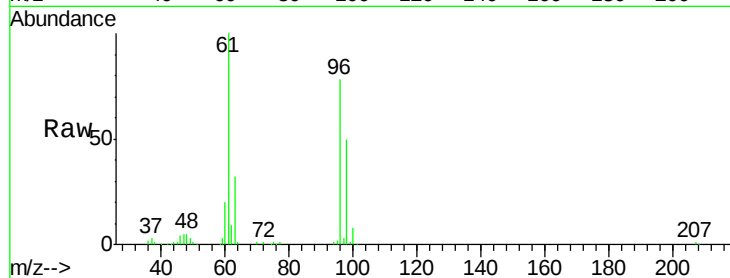
Tot Ion: 96 Resp: 119890

Ion Ratio Lower Upper

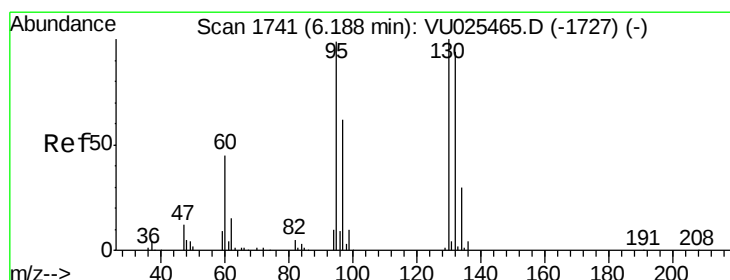
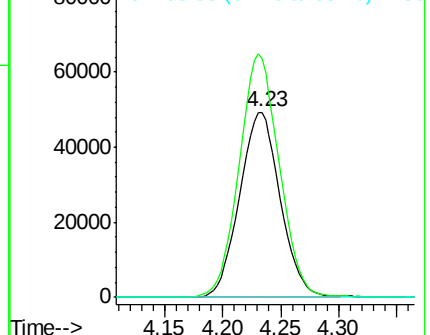
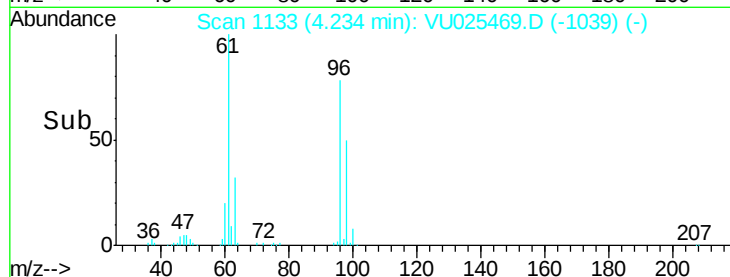
96 100

61 129.0 91.7 170.3

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU025469.D (-1039) (-)



#34

Trichloroethene

Concen: 35.81 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025469.D

Acq: 17 Jul 2018 20:33

Tgt Ion: 95 Resp: 85076

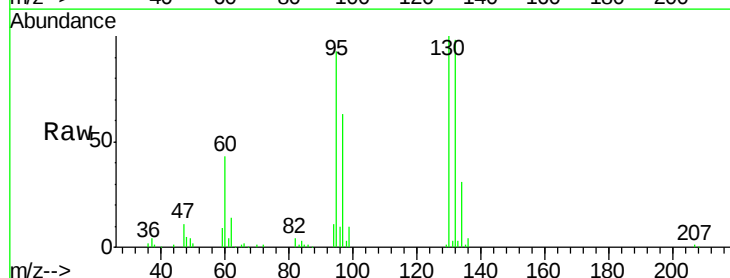
Ion Ratio Lower Upper

95 100

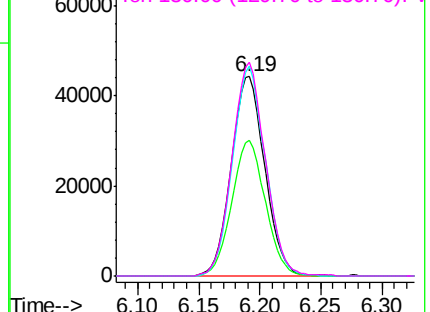
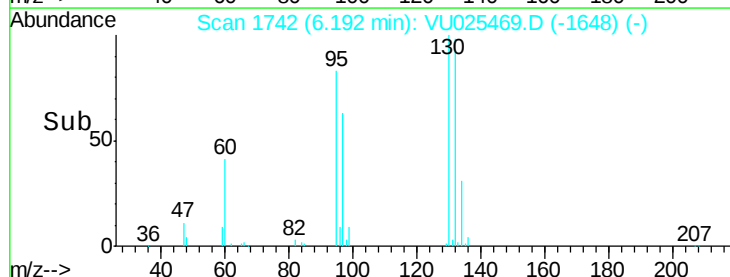
97 67.7 45.9 85.3

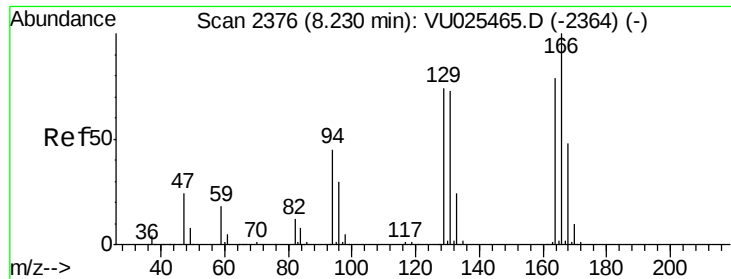
132 104.9 68.2 126.6

130 107.0 71.8 133.4



Abundance Ion 95.00 (94.70 to 95.70): VU025469.D (-1648) (-)





#46

Tetrachloroethene

Concen: 6.53 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025469.D

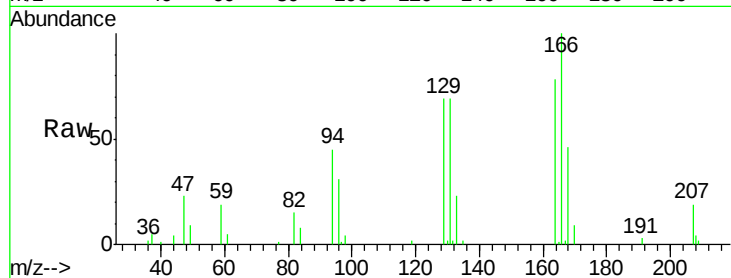
Acq: 17 Jul 2018 20:33

Instrument :

MSVOA_U

ClientSampleId :

DB188DL



Tot Ion:164 Resp: 12937

Ion Ratio Lower Upper

164 100

129 88.7 66.5 123.5

131 87.8 63.7 118.3

166 127.7 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

