

Data File : VV012190.D
Acq On : 11 Aug 2019 13:58
Operator : SY/MD
Sample : K4248-03DL 40X
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2B06DL

Quant Time: Aug 12 02:40:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081019WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 12 02:03:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	336843	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	321093	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	156793	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63888	51.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.10%
7) Chloroethane-d5	1.58	69	41649	52.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.42%
11) 1,1-Dichloroethene-d2	2.13	63	84806	36.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.40%
21) 2-Butanone-d5	3.93	46	67932	110.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.87%
24) Chloroform-d	4.40	84	116780	45.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.72%
26) 1,2-Dichloroethane-d4	5.08	65	71705	48.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.14%
32) Benzene-d6	5.10	84	241233	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.92%
36) 1,2-Dichloropropane-d6	6.12	67	66314	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.94%
41) Toluene-d8	7.36	98	217301	45.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.64%
43) trans-1,3-Dichloropropene-	7.66	79	32234	43.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.84%
47) 2-Hexanone-d5	8.13	63	46982	90.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.68%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	87482	47.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.24%
64) 1,2-Dichlorobenzene-d4	11.67	152	90144	48.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.28%

Target Compounds

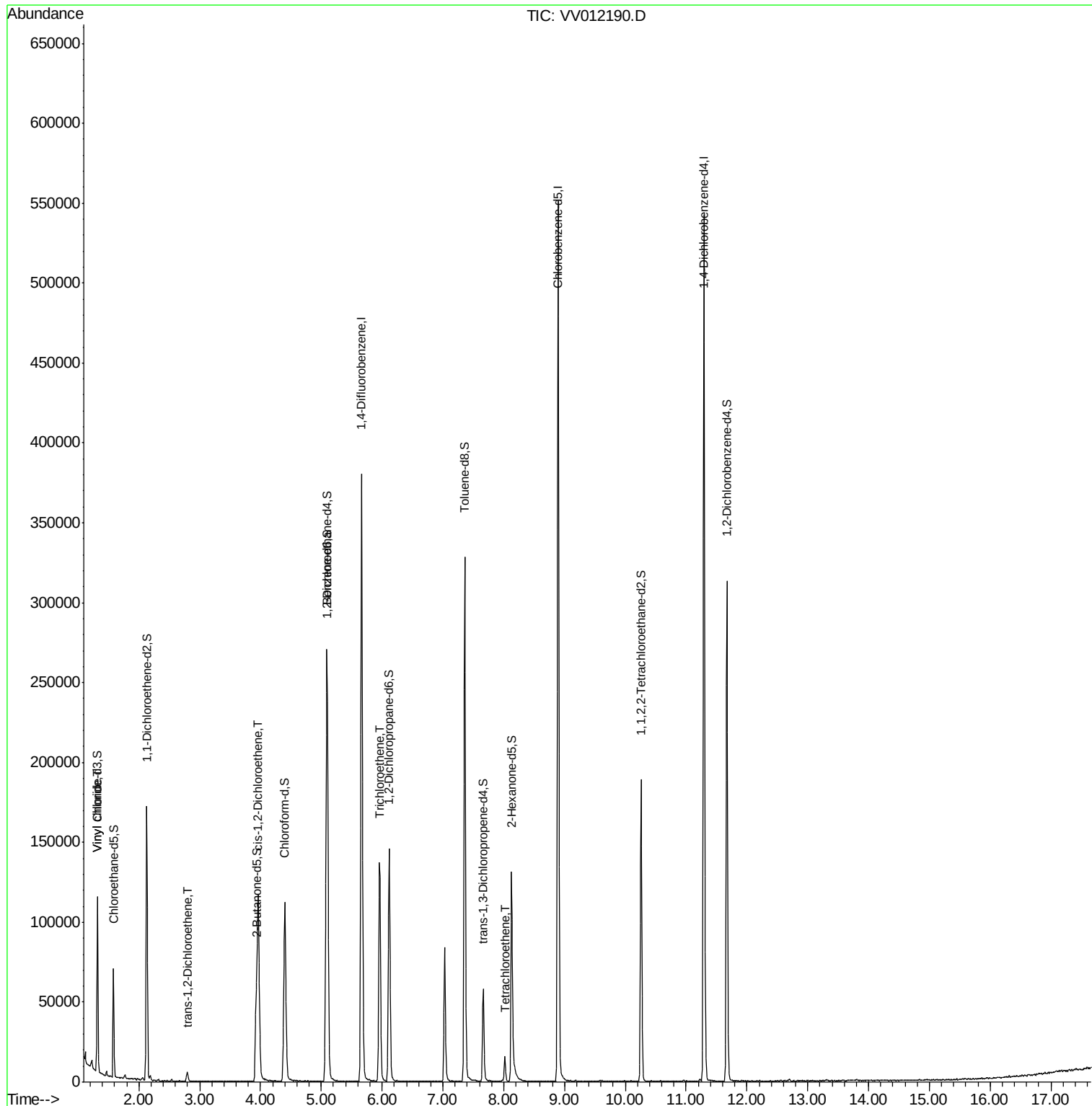
					Qvalue
5) Vinyl chloride	1.32	62	3669	1.970 ug/L	# 40
17) trans-1,2-Dichloroethene	2.80	96	2610	1.309 ug/L	81
20) cis-1,2-Dichloroethene	3.96	96	65477	28.906 ug/L	99
34) Trichloroethene	5.96	95	47019	21.225 ug/L	99
46) Tetrachloroethene	8.02	164	3238	1.529 ug/L	95

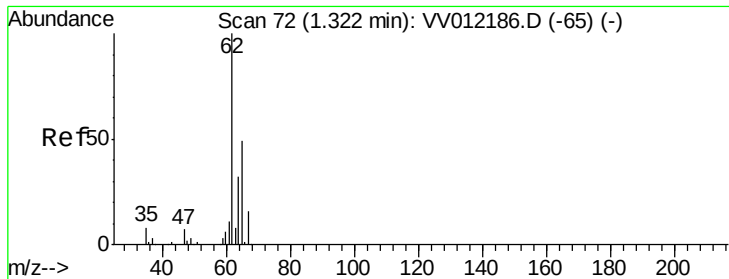
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.970 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

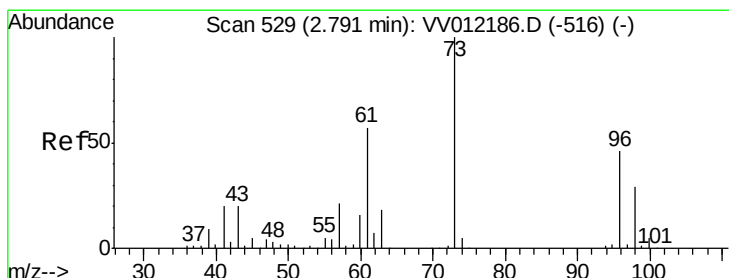
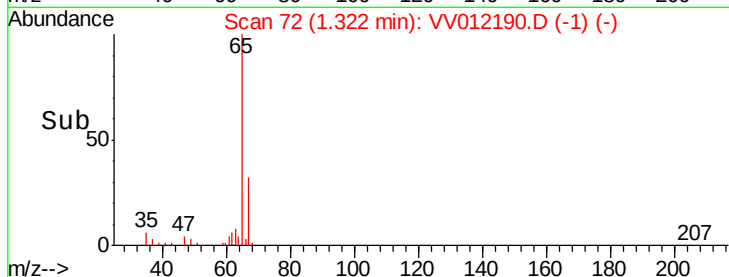
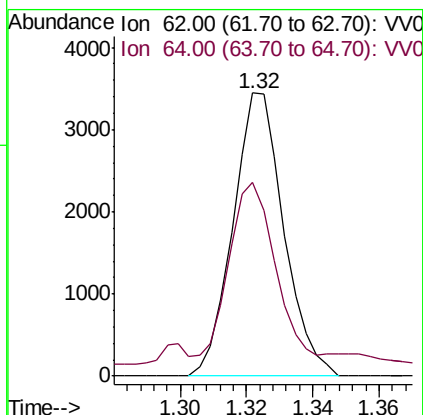
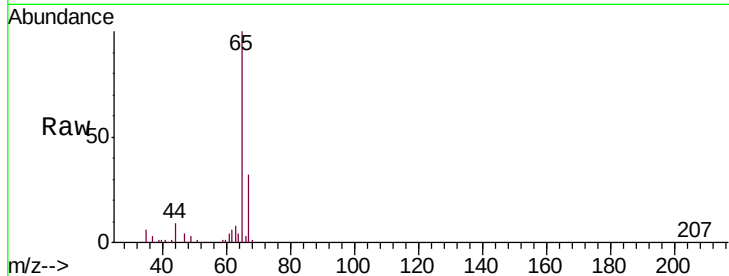
F2B06DL

Tgt Ion: 62 Resp: 3669

Ion Ratio Lower Upper

62 100

64 68.4 23.7 44.1#



#17

trans-1,2-Dichloroethene

Concen: 1.309 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.01 min

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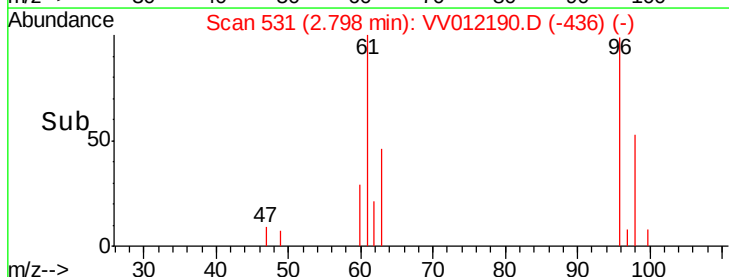
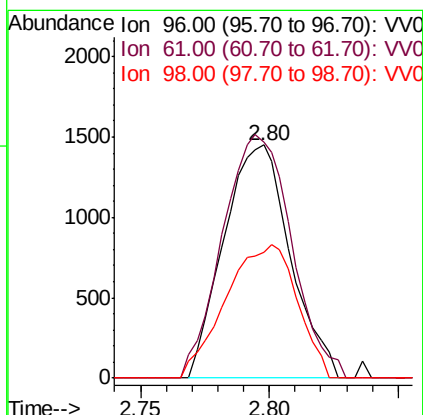
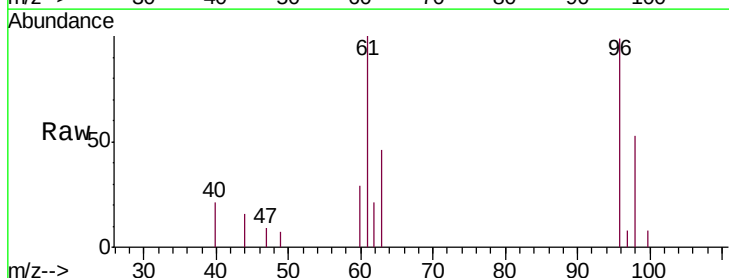
Tgt Ion: 96 Resp: 2610

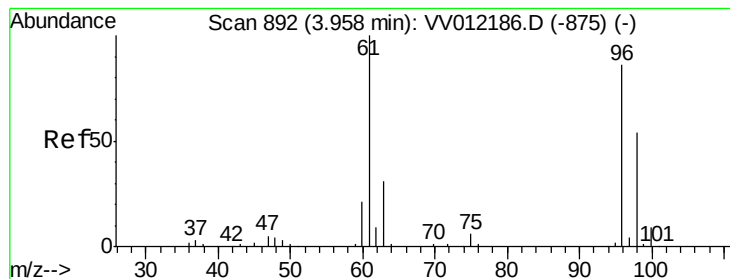
Ion Ratio Lower Upper

96 100

61 101.4 89.3 165.9

98 54.0 44.7 83.1



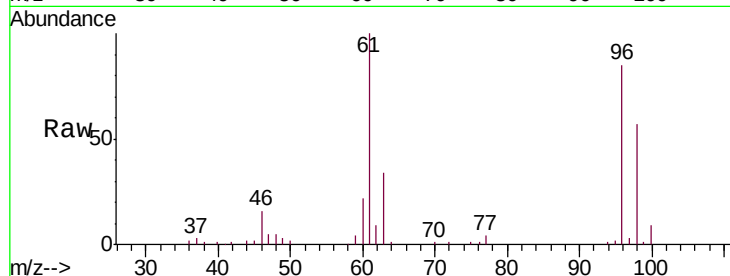


#20

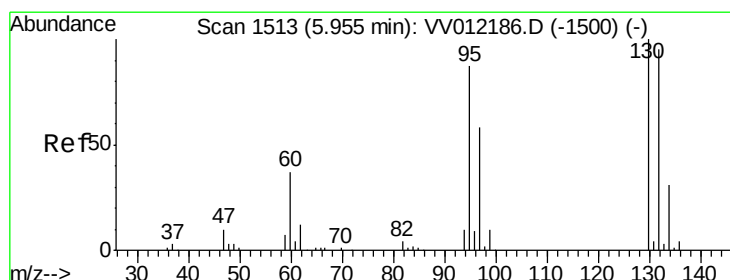
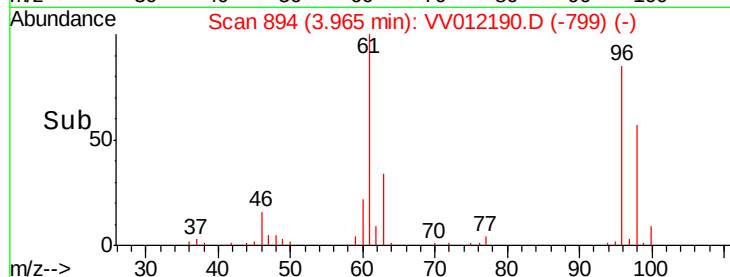
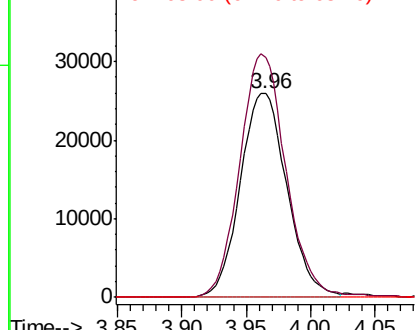
cis-1,2-Dichloroethene
Concen: 28.906 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV012190.D
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Instrument :
MSVOA_V
ClientSampleId :
F2B06DL

Tgt Ion: 96 Resp: 65477
Ion Ratio Lower Upper
96 100
61 117.8 82.9 153.9
68 0.0 0.0 0.0



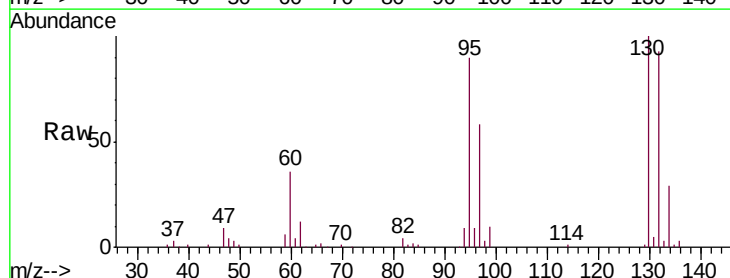
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0



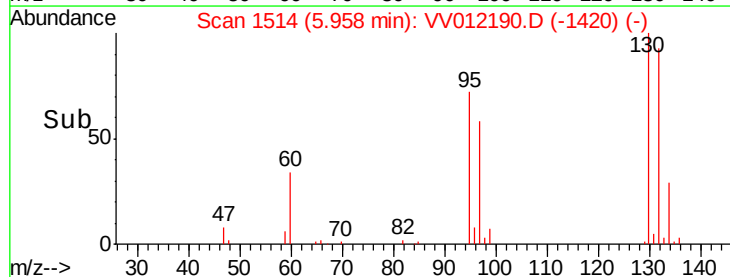
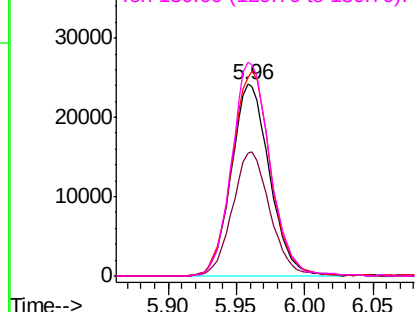
#34

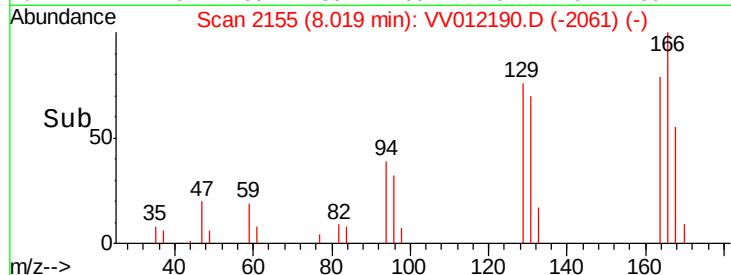
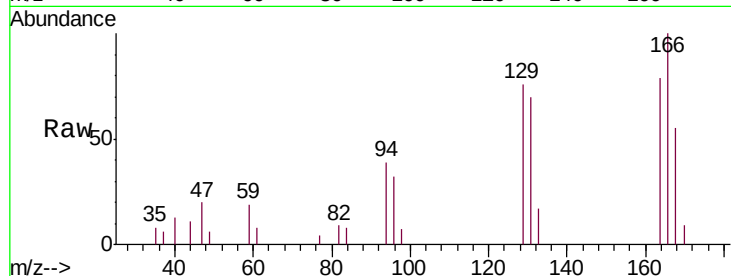
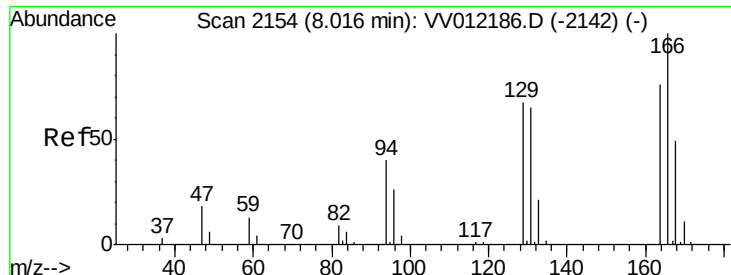
Trichloroethene
Concen: 21.225 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV012190.D
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Tgt Ion: 95 Resp: 47019
Ion Ratio Lower Upper
95 100
97 64.3 44.7 83.1
132 103.7 72.7 134.9
130 111.4 75.9 141.1



Abundance Ion 95.00 (94.70 to 95.70): VV0
Ion 97.00 (96.70 to 97.70): VV0
Ion 132.00 (131.70 to 132.70): VV0
Ion 130.00 (129.70 to 130.70): VV0





#46

Tetrachloroethene

Concen: 1.529 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012190.D

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Instrument :

MSVOA_V

ClientSampleId :

F2B06DL

Tgt Ion:164 Resp: 3238

Ion Ratio Lower Upper

164 100

129 96.1 60.6 112.6

131 88.7 59.5 110.5

166 126.6 87.2 161.9

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

