

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081119\
 Data File : VU033754.D
 Acq On : 11 Aug 2019 15:58
 Operator : JC/SP
 Sample : K4289-05RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B18RE

Quant Time: Aug 12 06:47:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 12 04:45:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	272509	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	270356	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	120414	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	33573	16.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	33.48%#
7) Chloroethane-d5	1.67	69	42984	21.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	42.76%#
11) 1,1-Dichloroethene-d2	2.26	63	53665	15.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	31.82%#
21) 2-Butanone-d5	4.15	46	159803	128.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	128.50%
24) Chloroform-d	4.62	84	124091	41.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.28%
26) 1,2-Dichloroethane-d4	5.29	65	82526	44.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.56%
32) Benzene-d6	5.32	84	194820	30.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	61.06%#
36) 1,2-Dichloropropane-d6	6.31	67	79746	40.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.46%
41) Toluene-d8	7.55	98	148979	24.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	49.64%#
43) trans-1,3-Dichloropropene-	7.83	79	30365	30.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.42%
47) 2-Hexanone-d5	8.30	63	107499	106.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.00%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	156581	54.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.12%
64) 1,2-Dichlorobenzene-d4	11.84	152	92118	45.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.90%

Target Compounds

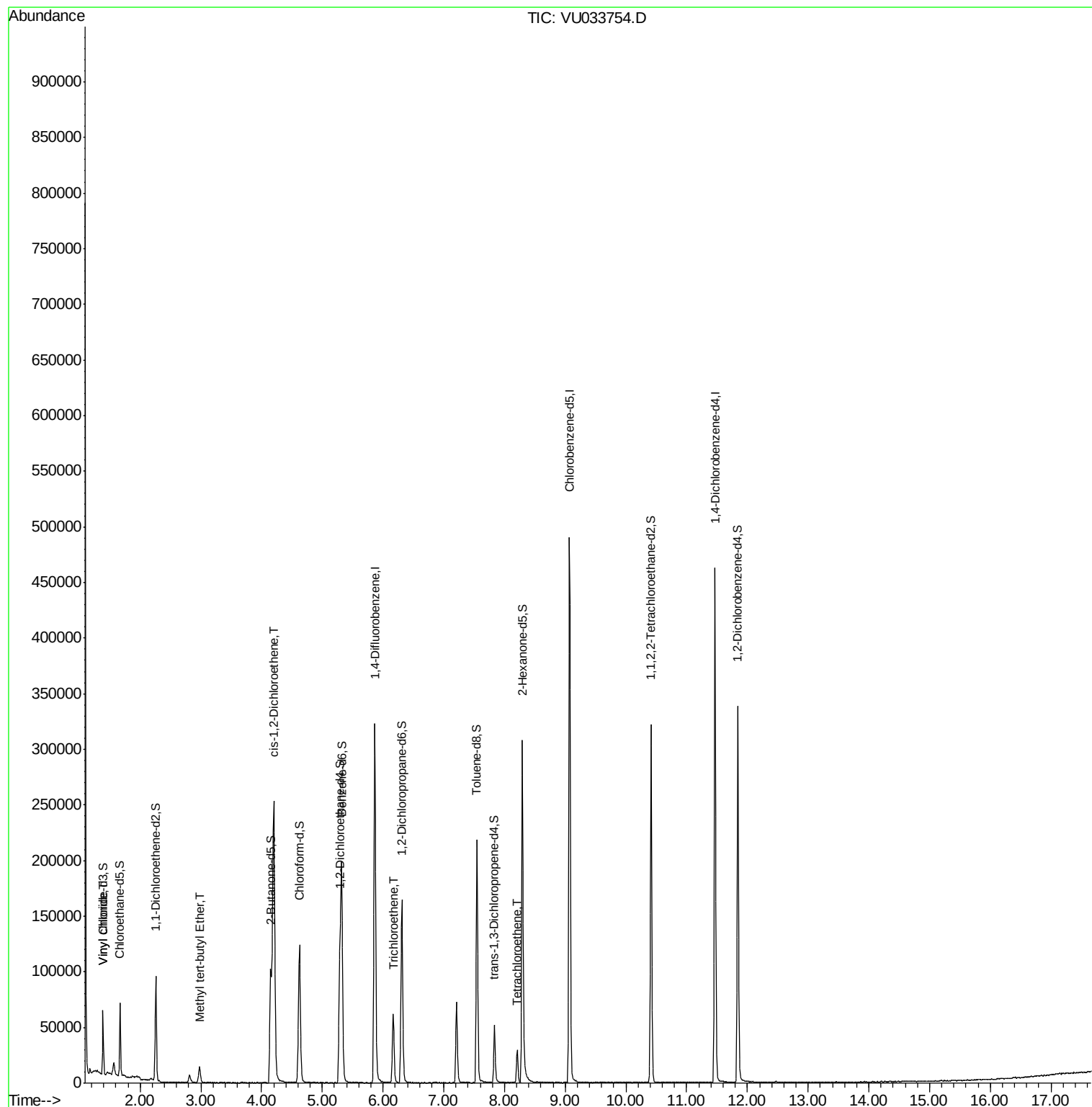
					Ovalue
5) Vinyl chloride	1.39	62	4869	2.122 ug/L	# 75
18) Methyl tert-butyl Ether	2.98	73	12049	2.145 ug/L	96
20) cis-1,2-Dichloroethene	4.20	96	140856	71.902 ug/L	97
34) Trichloroethene	6.17	95	20317	10.234 ug/L	99
46) Tetrachloroethene	8.21	164	6767	4.135 ug/L	92

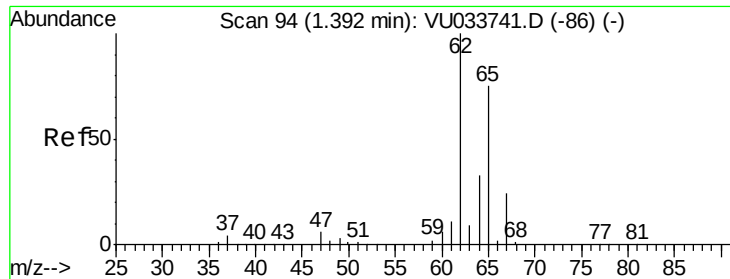
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.122 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

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Acq: 11 Aug 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

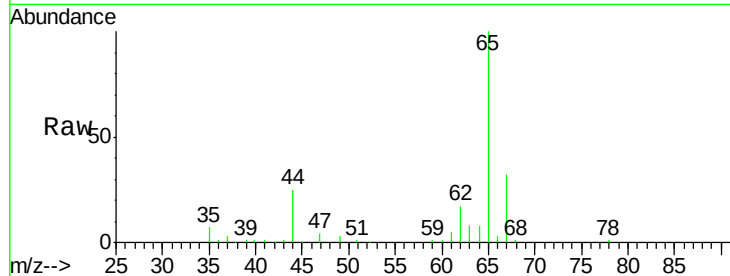
F2B18RE

Tot Ion: 62 Resp: 4869

Ion Ratio Lower Upper

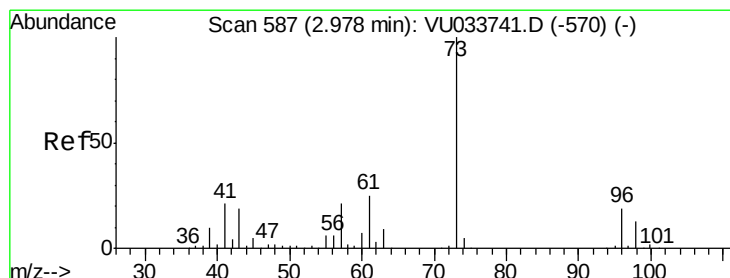
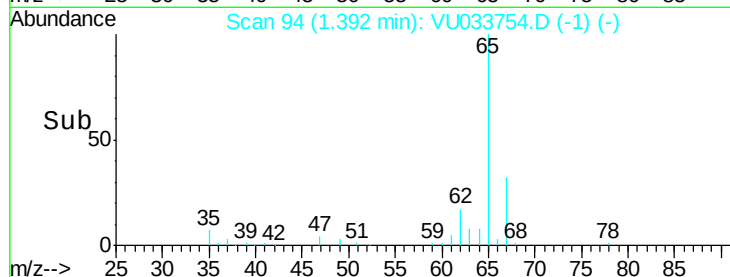
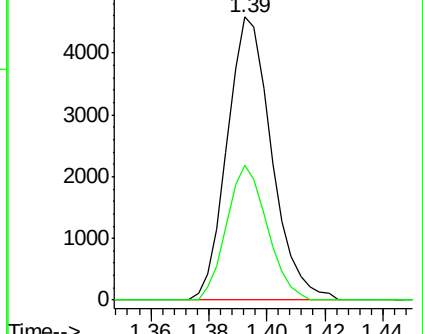
62 100

64 47.8 23.7 43.9#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#18

Methyl tert-butyl Ether

Concen: 2.145 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033754.D

Acq: 11 Aug 2019 15:58

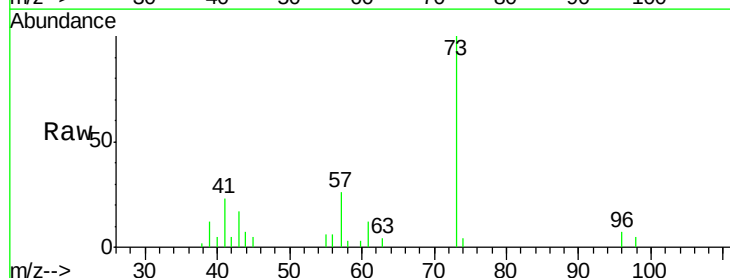
Tgt Ion: 73 Resp: 12049

Ion Ratio Lower Upper

73 100

43 21.8 15.1 22.7

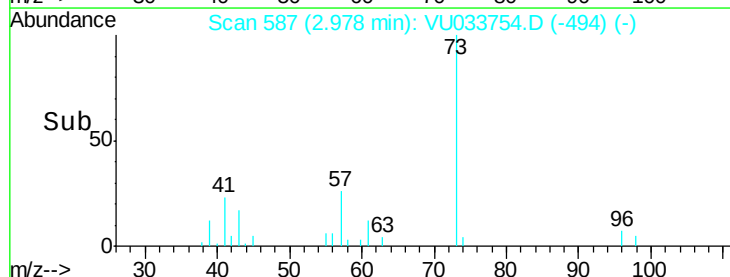
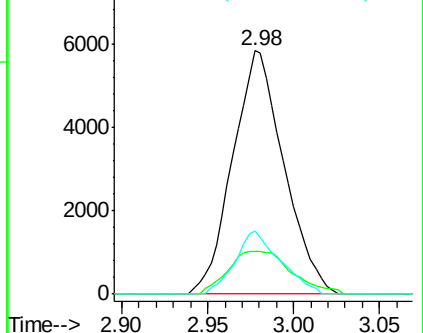
57 22.7 17.4 26.0

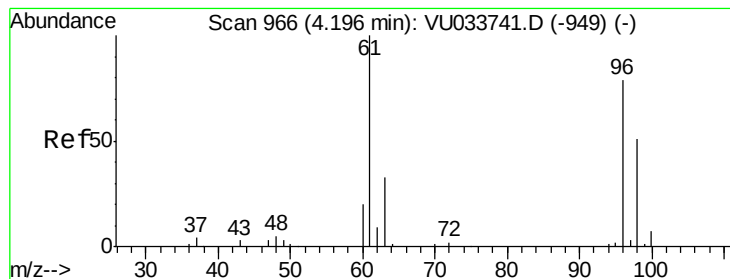


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 71.902 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033754.D

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ClientSampleId :

F2B18RE

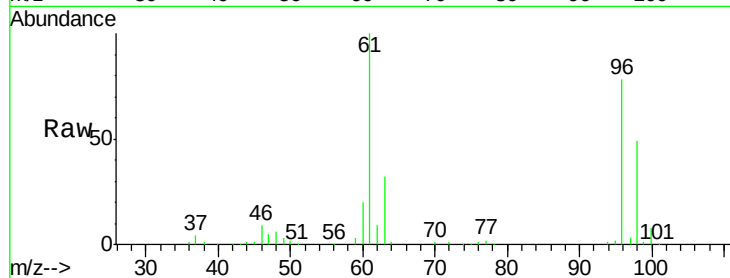
Tot Ion: 96 Resp: 140856

Ion Ratio Lower Upper

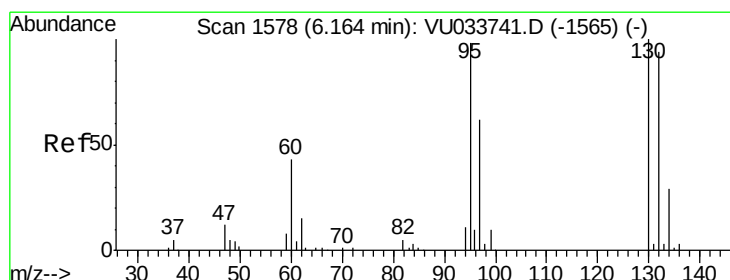
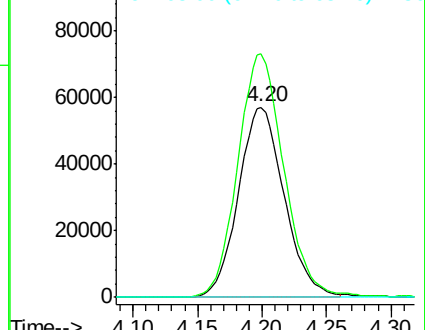
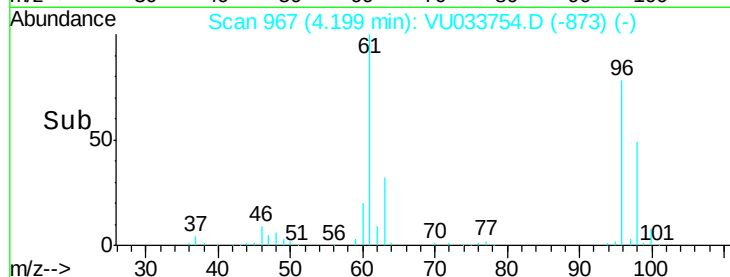
96 100

61 127.9 87.0 161.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033754.D (-873) (-)



#34

Trichloroethene

Concen: 10.234 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033754.D

Acq: 11 Aug 2019 15:58

Tgt Ion: 95 Resp: 20317

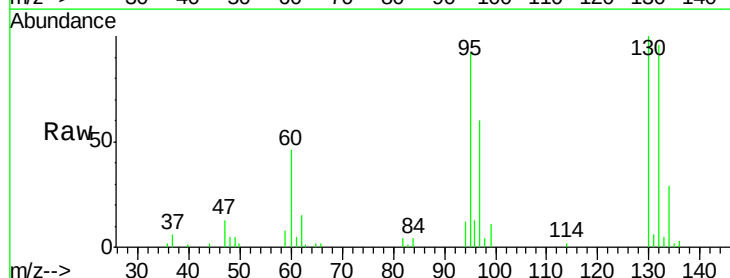
Ion Ratio Lower Upper

95 100

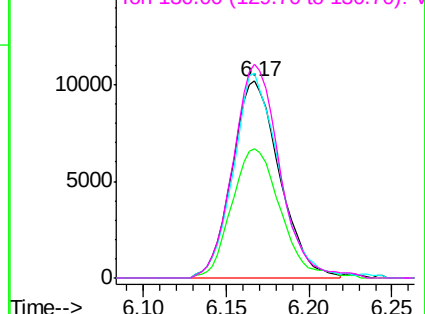
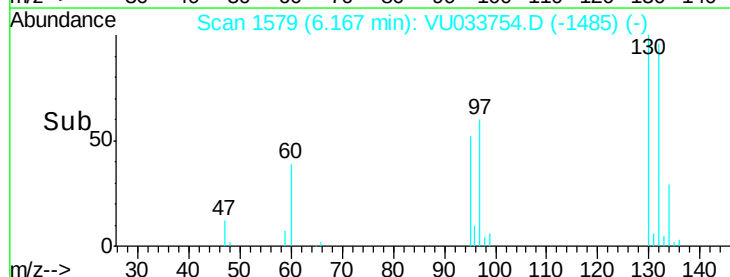
97 65.6 45.6 84.8

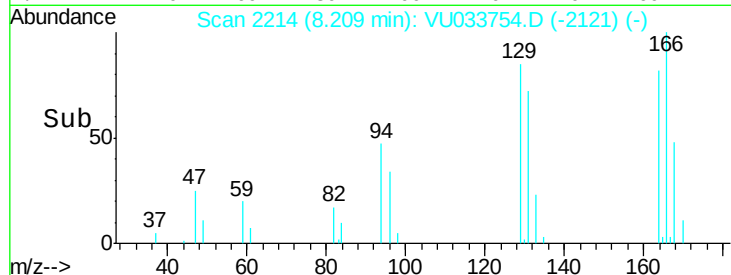
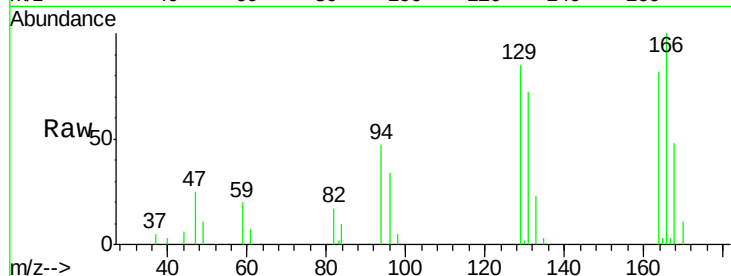
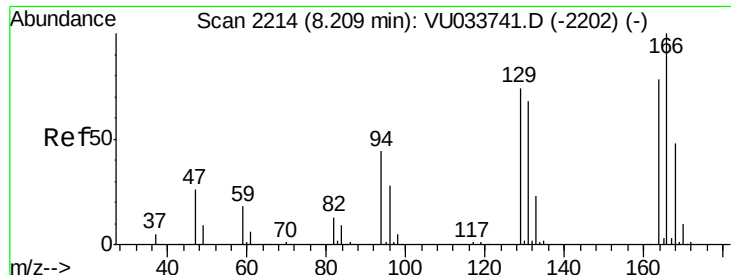
132 104.3 72.0 133.8

130 108.5 74.3 138.1



Abundance Ion 95.00 (94.70 to 95.70): VU033754.D (-1485) (-)





#46

Tetrachloroethene

Concen: 4.135 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033754.D

Acq: 11 Aug 2019 15:58

Instrument :

MSVOA_U

ClientSampleId :

F2B18RE

Tot Ion:164 Resp: 6767

Ion Ratio Lower Upper

164 100

129 104.8 65.5 121.7

131 87.7 63.6 118.0

166 122.6 92.7 172.3

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

