

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031018.D
 Acq On : 10 Apr 2019 18:04
 Operator : JC/SP
 Sample : K2249-13DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE3DL

Quant Time: Apr 11 05:48:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 05:17:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	448319	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	453737	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	187015	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	219377	54.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.64%
7) Chloroethane-d5	1.68	69	174898	57.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	115.16%
11) 1,1-Dichloroethene-d2	2.27	63	308969	42.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.36%
21) 2-Butanone-d5	4.17	46	356564	112.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.42%
24) Chloroform-d	4.64	84	345076	56.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.90%
26) 1,2-Dichloroethane-d4	5.30	65	239847	57.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.00%
32) Benzene-d6	5.33	84	713389	53.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.72%
36) 1,2-Dichloropropane-d6	6.32	67	243632	53.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.34%
41) Toluene-d8	7.56	98	608926	51.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.72%
43) trans-1,3-Dichloropropene-	7.85	79	104574	50.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.04%
47) 2-Hexanone-d5	8.31	63	206433	99.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	334293	54.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	204544	55.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.22%

Target Compounds

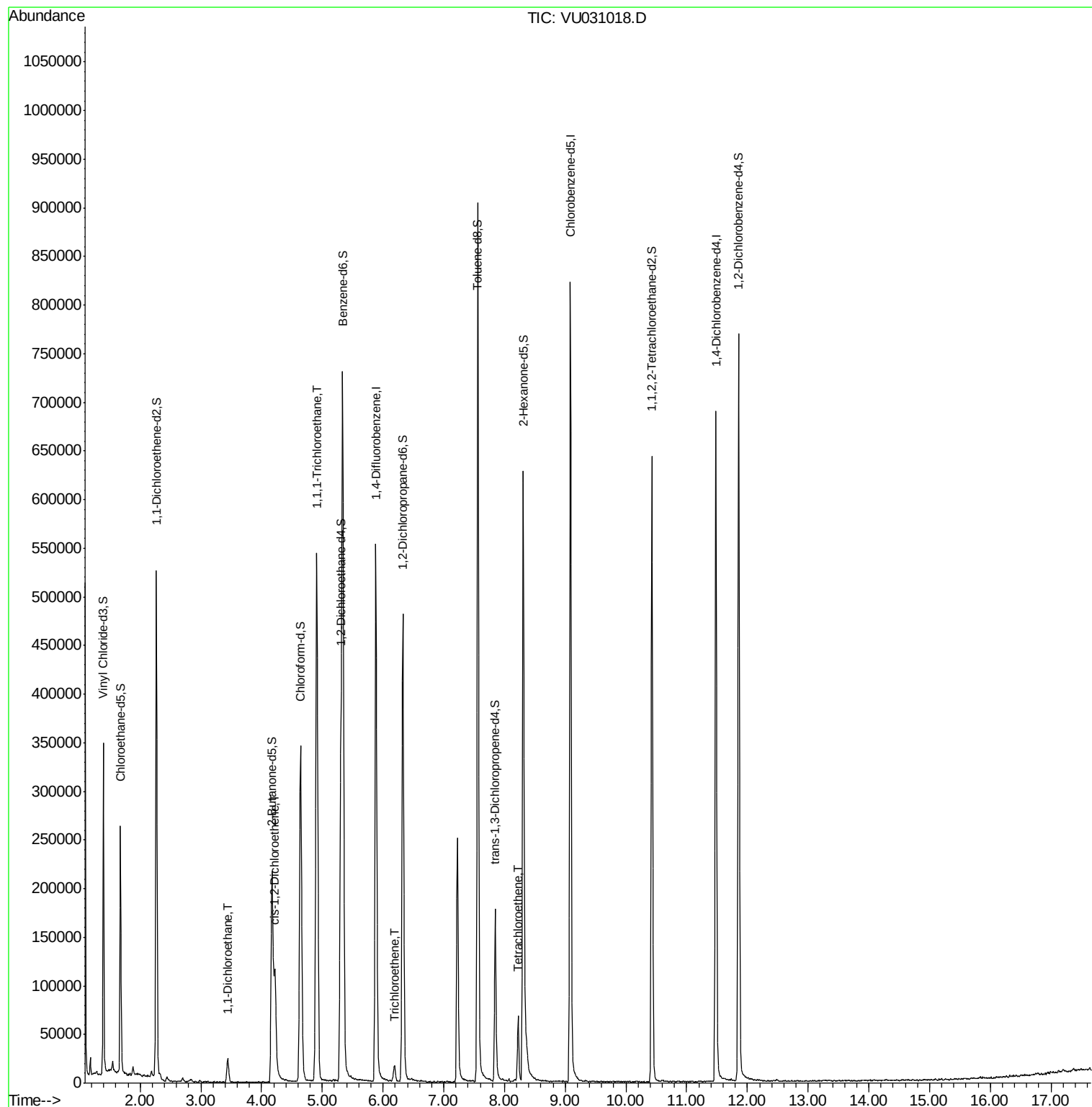
					Ovalue
19) 1,1-Dichloroethane	3.44	63	26277	3.870 ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	51959	14.301 ug/L	85
30) 1,1,1-Trichloroethane	4.91	97	429993	77.761 ug/L	99
34) Trichloroethene	6.19	95	5974	1.640 ug/L	90
46) Tetrachloroethene	8.22	164	14697	5.551 ug/L	95

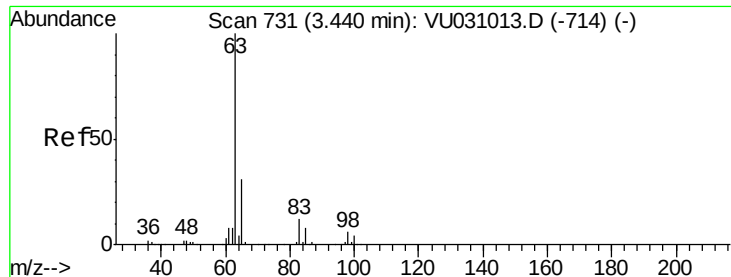
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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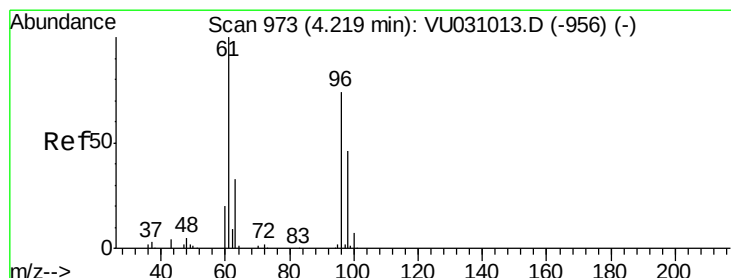
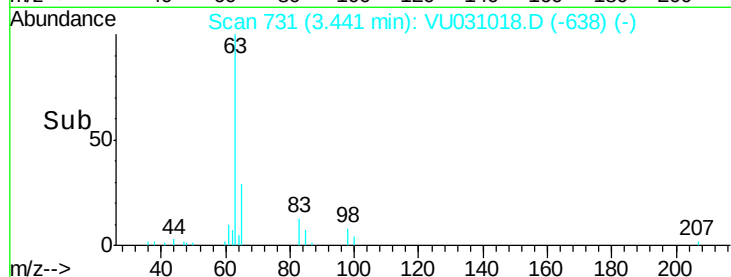
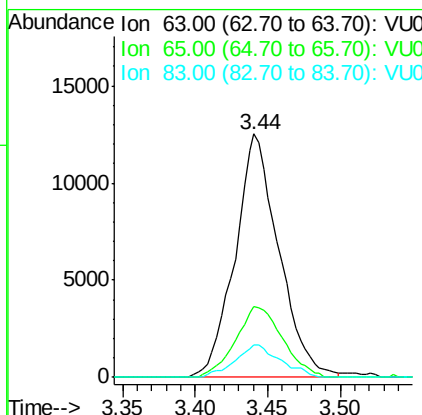
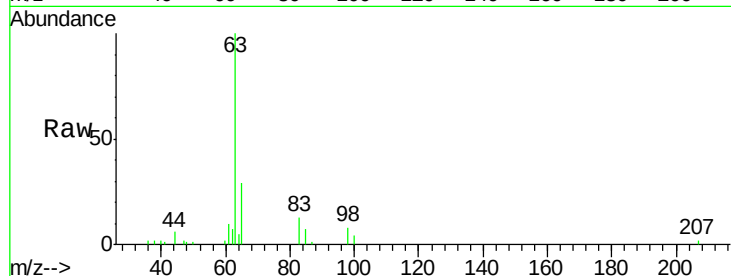




#19
 1,1-Dichloroethane
 Concen: 3.870 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031018.D
 Acq: 10 Apr 2019 18:04

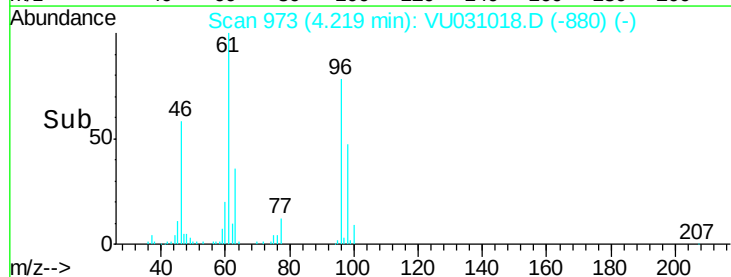
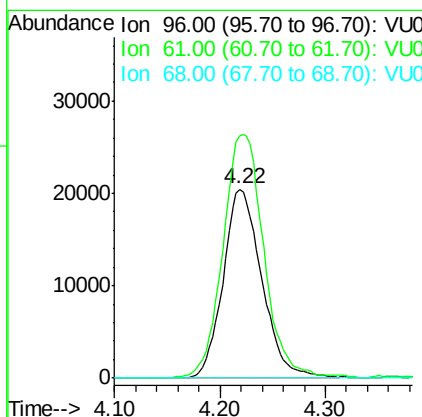
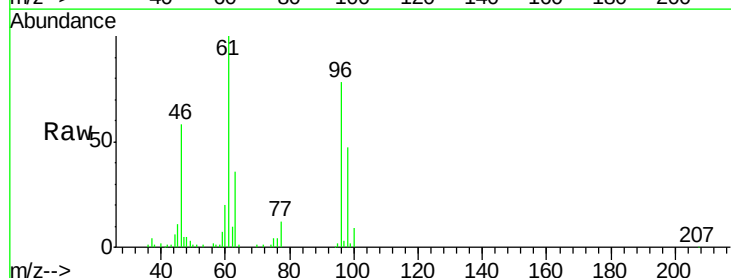
Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE3DL

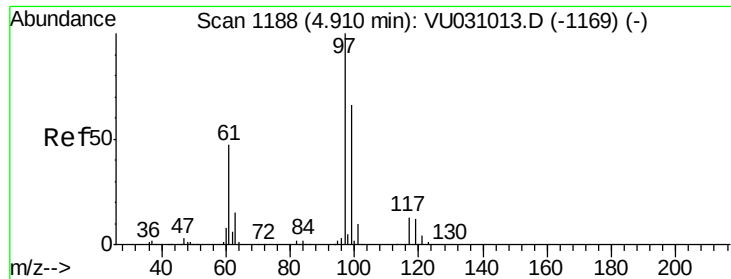
Tot Ion	63	Resp	26277
Ion	Ratio	Lower	Upper
63	100		
65	28.9	21.4	39.8
83	13.3	8.5	15.7



#20
 cis-1,2-Dichloroethene
 Concen: 14.301 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU031018.D
 Acq: 10 Apr 2019 18:04

Tgt Ion	96	Resp	51959
Ion	Ratio	Lower	Upper
96	100		
61	128.4	102.9	191.1
68	0.0	0.0	0.0

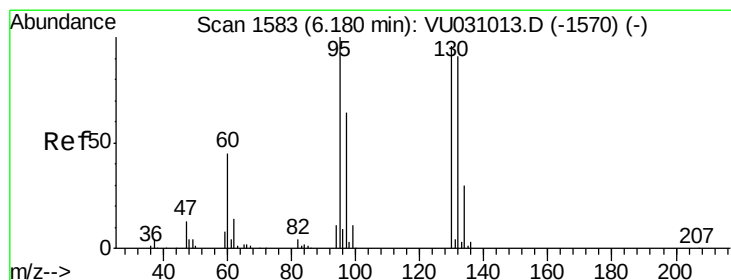
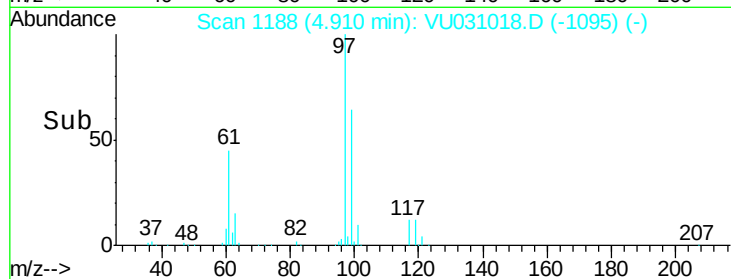
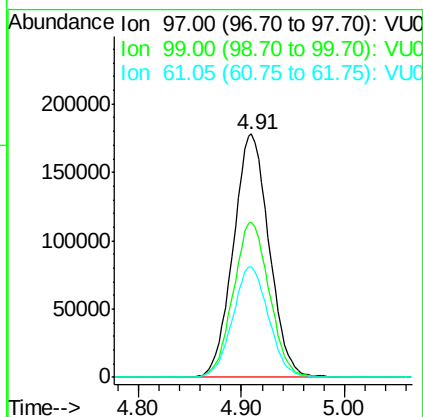
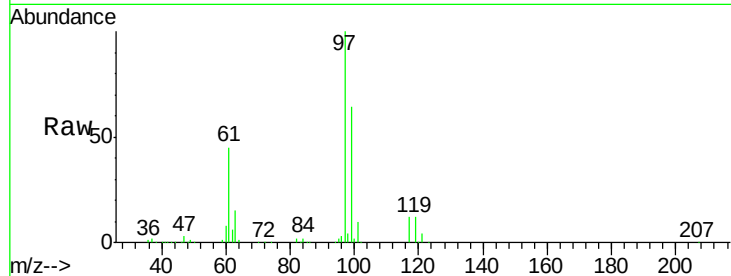




#30
 1,1,1-Trichloroethane
 Concen: 77.761 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU031018.D
 Acq: 10 Apr 2019 18:04

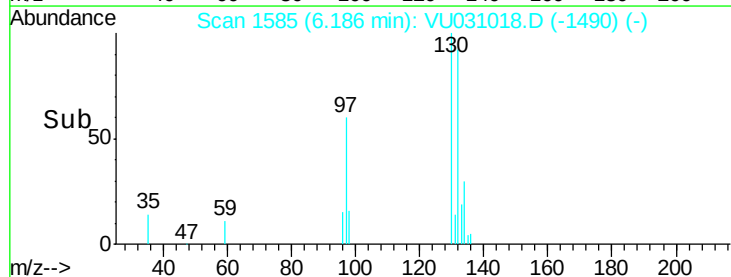
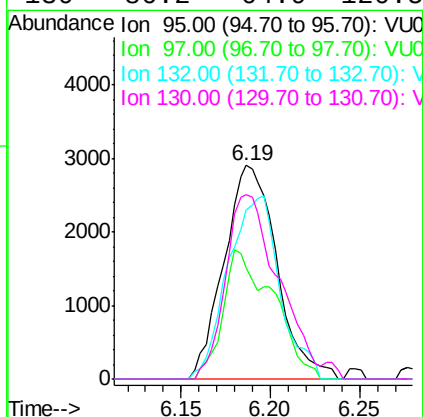
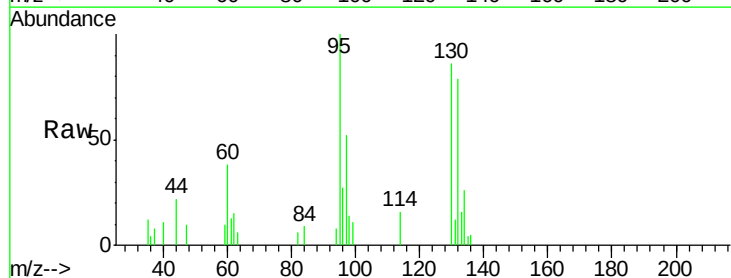
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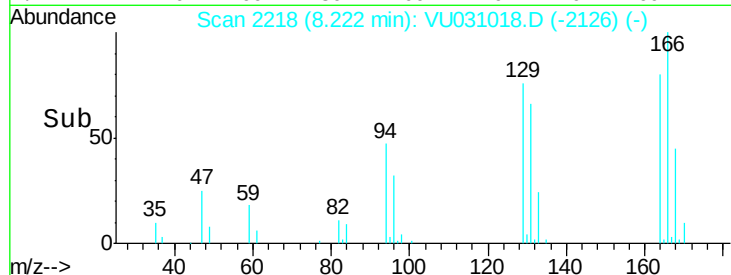
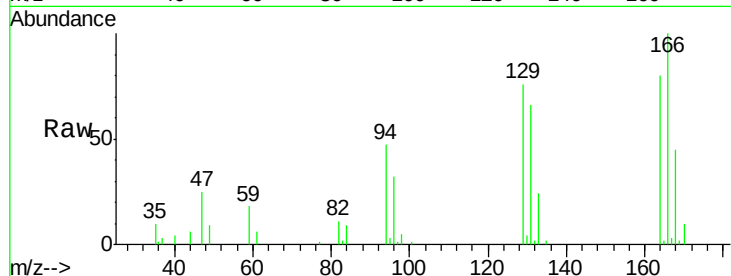
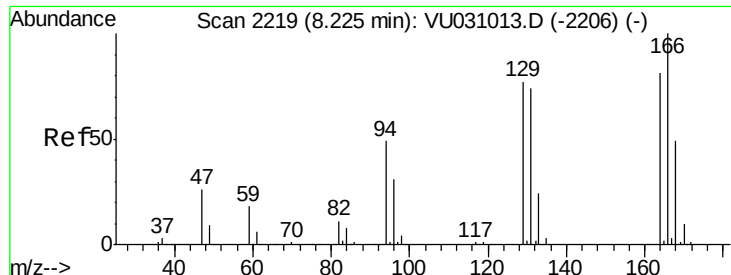
Tot Ion: 97 Resp: 429993
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.4 77.2
 61 45.4 37.1 55.7



#34
 Trichloroethene
 Concen: 1.640 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VU031018.D
 Acq: 10 Apr 2019 18:04

Tgt Ion: 95 Resp: 5974
 Ion Ratio Lower Upper
 95 100
 97 52.0 44.5 82.7
 132 78.9 61.5 114.1
 130 86.2 64.9 120.5





#46

Tetrachloroethene

Concen: 5.551 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031018.D

Acq: 10 Apr 2019 18:04

Instrument :

MSVOA_U

ClientSampleId :

E3YE3DL

Tot Ion:164 Resp: 14697

Ion Ratio Lower Upper

164 100

129 95.0 67.4 125.2

131 81.9 65.9 122.5

166 124.8 88.6 164.6

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

