

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
 Data File : VU028888.D
 Acq On : 21 Dec 2018 21:04
 Operator : MD/SY
 Sample : J6509-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETO80MSD

Quant Time: Dec 22 03:22:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 22 01:55:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	175992	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	165013	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	67901	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	63516	45.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.04%
7) Chloroethane-d5	1.66	69	50205	46.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.14%
11) 1,1-Dichloroethene-d2	2.26	63	92071	38.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.60%
21) 2-Butanone-d5	4.18	46	115395	116.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.74%
24) Chloroform-d	4.65	84	108157	48.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.50%
26) 1,2-Dichloroethane-d4	5.30	65	68453	50.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.10%
32) Benzene-d6	5.34	84	242692	52.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.12%
36) 1,2-Dichloropropane-d6	6.33	67	82532	52.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.22%
41) Toluene-d8	7.56	98	211419	50.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.10%
43) trans-1,3-Dichloropropene-	7.85	79	36406	51.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.60%
47) 2-Hexanone-d5	8.31	63	90914	120.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.87%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	114387	52.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	74198	54.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.06%

Target Compounds

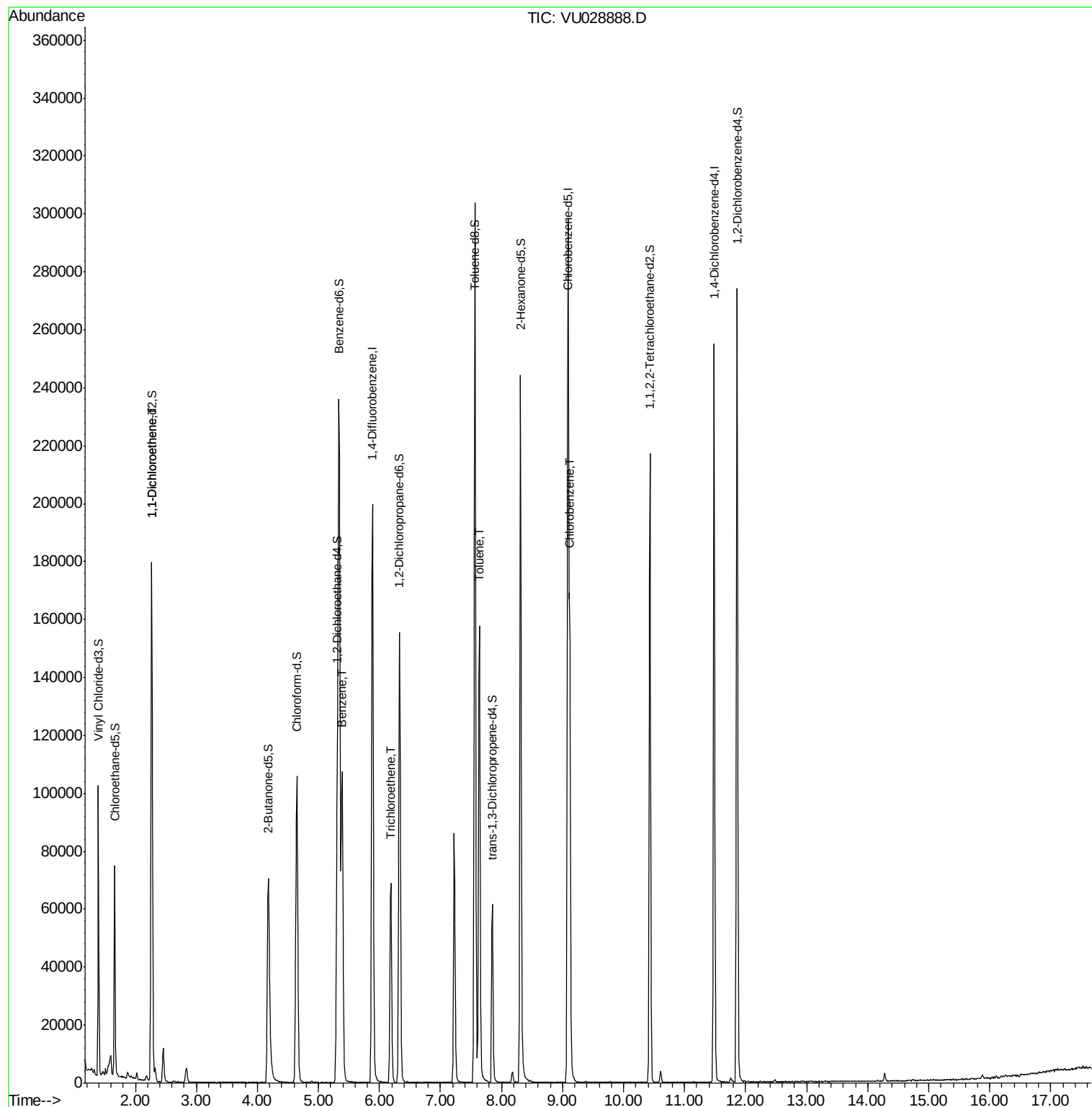
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	17656	15.647	ug/L	# 49
33) Benzene	5.39	78	112532	21.421	ug/L	100
34) Trichloroethene	6.19	95	25527	20.127	ug/L	97
42) Toluene	7.64	91	119457	22.432	ug/L	98
51) Chlorobenzene	9.12	112	84367	25.137	ug/L	98

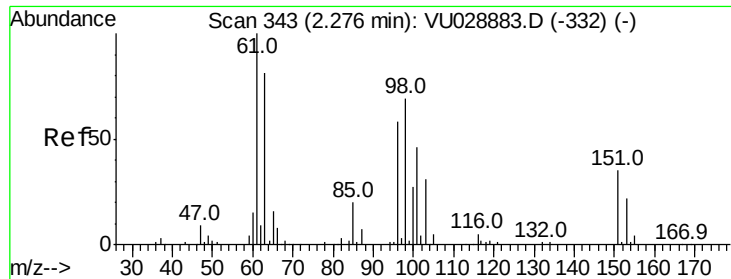
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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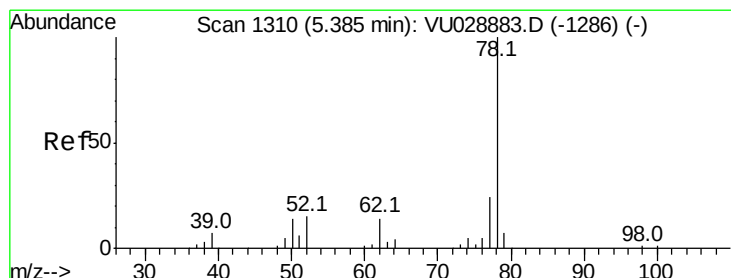
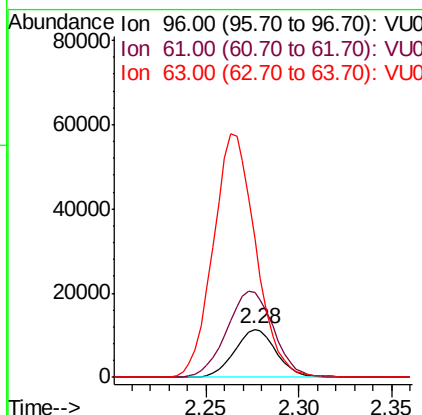
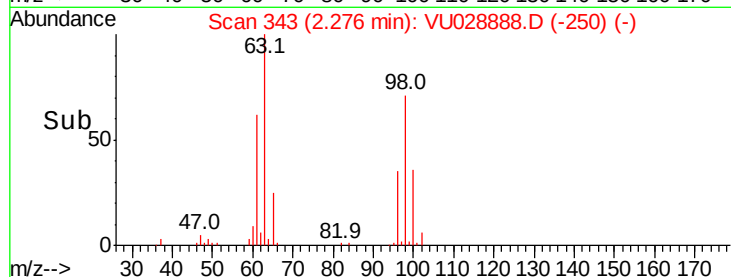
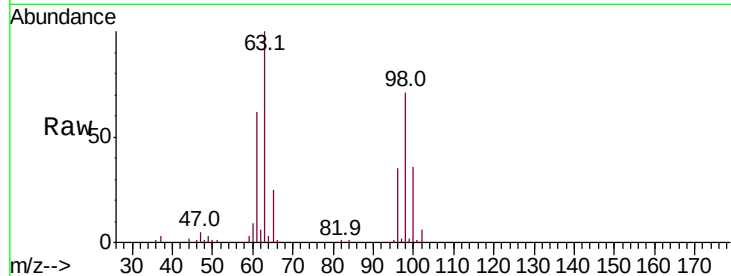




#12
 1,1-Dichloroethene
 Concen: 15.647 ug/L
 RT: 2.28 min Scan# 343
 Delta R.T. -0.00 min
 Lab File: VU028888.D
 Acq: 21 Dec 2018 21:04

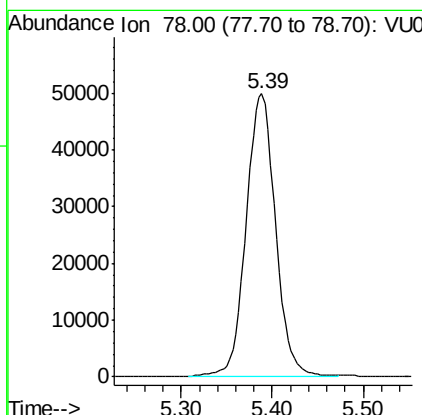
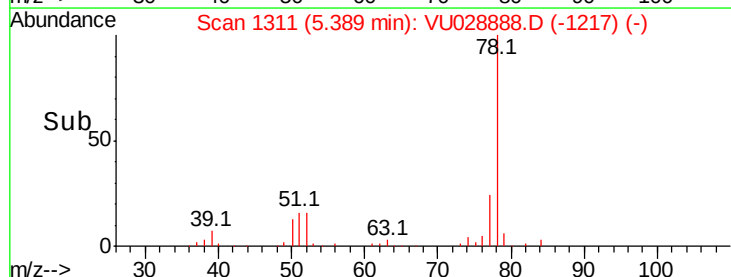
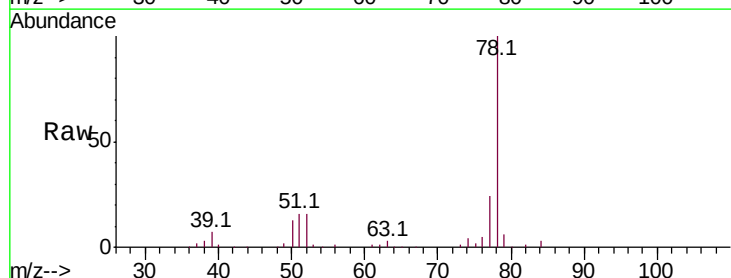
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 ETO80MSD

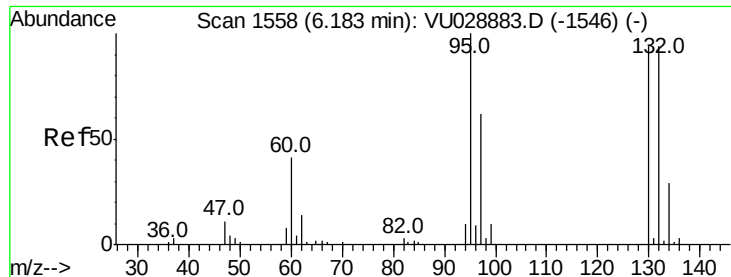
Tot Ion: 96 Resp: 17656
 Ion Ratio Lower Upper
 96 100
 61 176.1 119.3 221.5
 63 286.3 107.4 199.6#



#33
 Benzene
 Concen: 21.421 ug/L
 RT: 5.39 min Scan# 1311
 Delta R.T. 0.00 min
 Lab File: VU028888.D
 Acq: 21 Dec 2018 21:04

Tgt Ion: 78 Resp: 112532





#34

Trichloroethene

Concen: 20.127 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028888.D

Acq: 21 Dec 2018 21:04

Instrument :

MSVOA_U

ClientSampleId :

ETO80MSD

Tot Ion: 95 Resp: 25527

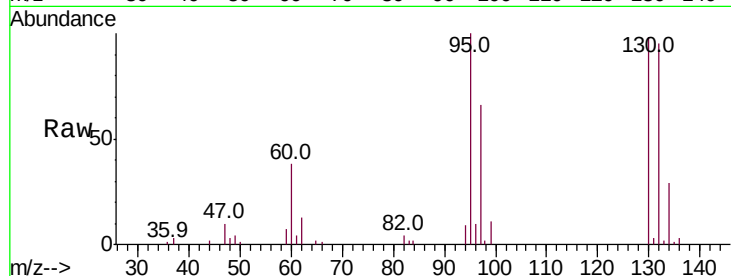
Ion Ratio Lower Upper

95 100

97 66.2 43.3 80.3

132 94.8 64.2 119.2

130 97.9 67.1 124.7

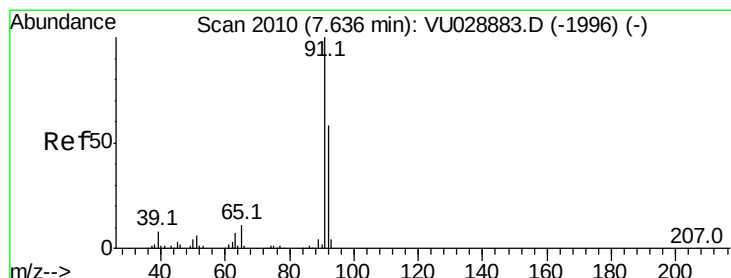
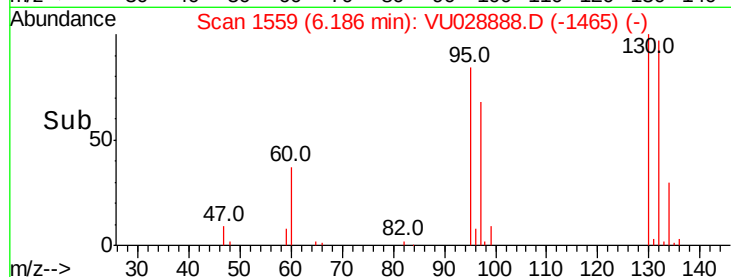
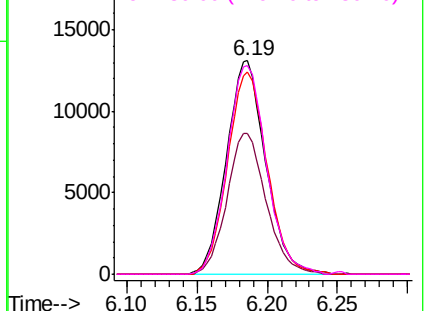


Abundance Ion 95.00 (94.70 to 95.70): VU028888.D (-1546) (-)

Ion 97.00 (96.70 to 97.70): VU028888.D (-1546) (-)

Ion 132.00 (131.70 to 132.70): VU028888.D (-1546) (-)

Ion 130.00 (129.70 to 130.70): VU028888.D (-1546) (-)



#42

Toluene

Concen: 22.432 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028888.D

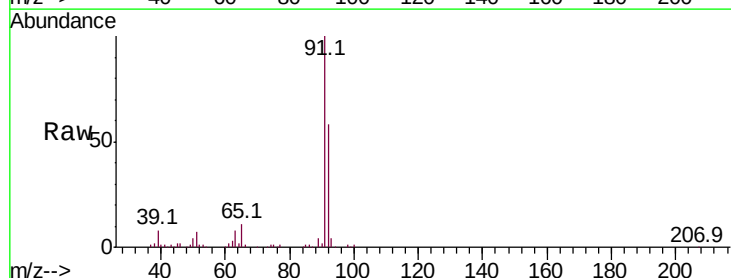
Acq: 21 Dec 2018 21:04

Tgt Ion: 91 Resp: 119457

Ion Ratio Lower Upper

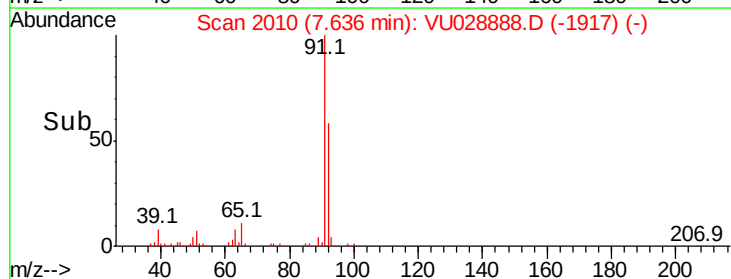
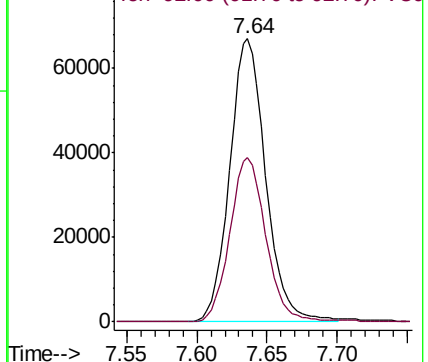
91 100

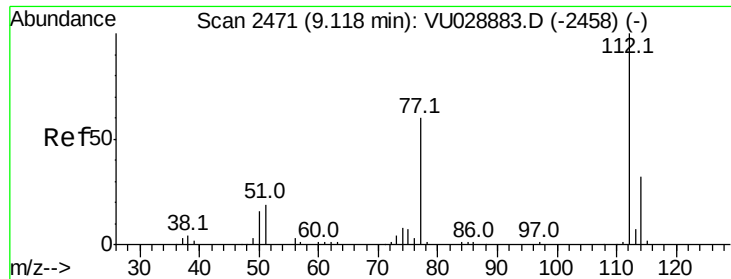
92 58.2 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU028888.D (-1996) (-)

Ion 92.00 (91.70 to 92.70): VU028888.D (-1996) (-)

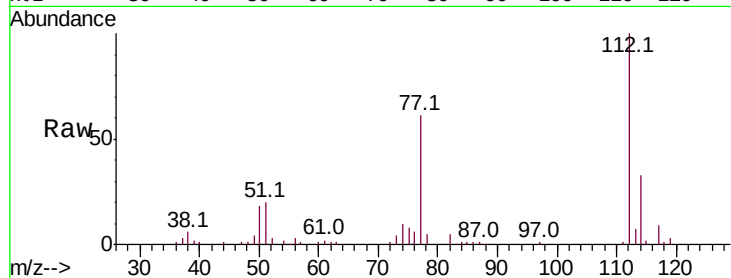




#51
 Chlorobenzene
 Concen: 25.137 ug/L
 RT: 9.12 min Scan# 2471
 Delta R.T. -0.00 min
 Lab File: VU028888.D
 Acq: 21 Dec 2018 21:04

Instrument :
 MSVOA_U
 ClientSampleId :
 ETO80MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.2	41.2
77	61.5	47.8	71.8



Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

