

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010719\
 Data File : VU029057.D
 Acq On : 07 Jan 2019 14:11
 Operator : MD/SY
 Sample : VIBLK42
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK42

Quant Time: Jan 08 03:05:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 08 01:37:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	188594	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	174741	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	71096	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70074	46.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.70%
7) Chloroethane-d5	1.67	69	55755	47.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.48%
11) 1,1-Dichloroethene-d2	2.27	63	89883	35.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.70%
21) 2-Butanone-d5	4.17	46	105426	99.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.52%
24) Chloroform-d	4.65	84	112491	47.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.62%
26) 1,2-Dichloroethane-d4	5.31	65	70501	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.22%
32) Benzene-d6	5.34	84	249123	50.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.92%
36) 1,2-Dichloropropane-d6	6.33	67	84596	50.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.88%
41) Toluene-d8	7.56	98	215753	48.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.46%
43) trans-1,3-Dichloropropene-	7.85	79	36751	48.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.82%
47) 2-Hexanone-d5	8.31	63	76624	96.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.20%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	114768	49.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	73420	51.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.12%

Target Compounds

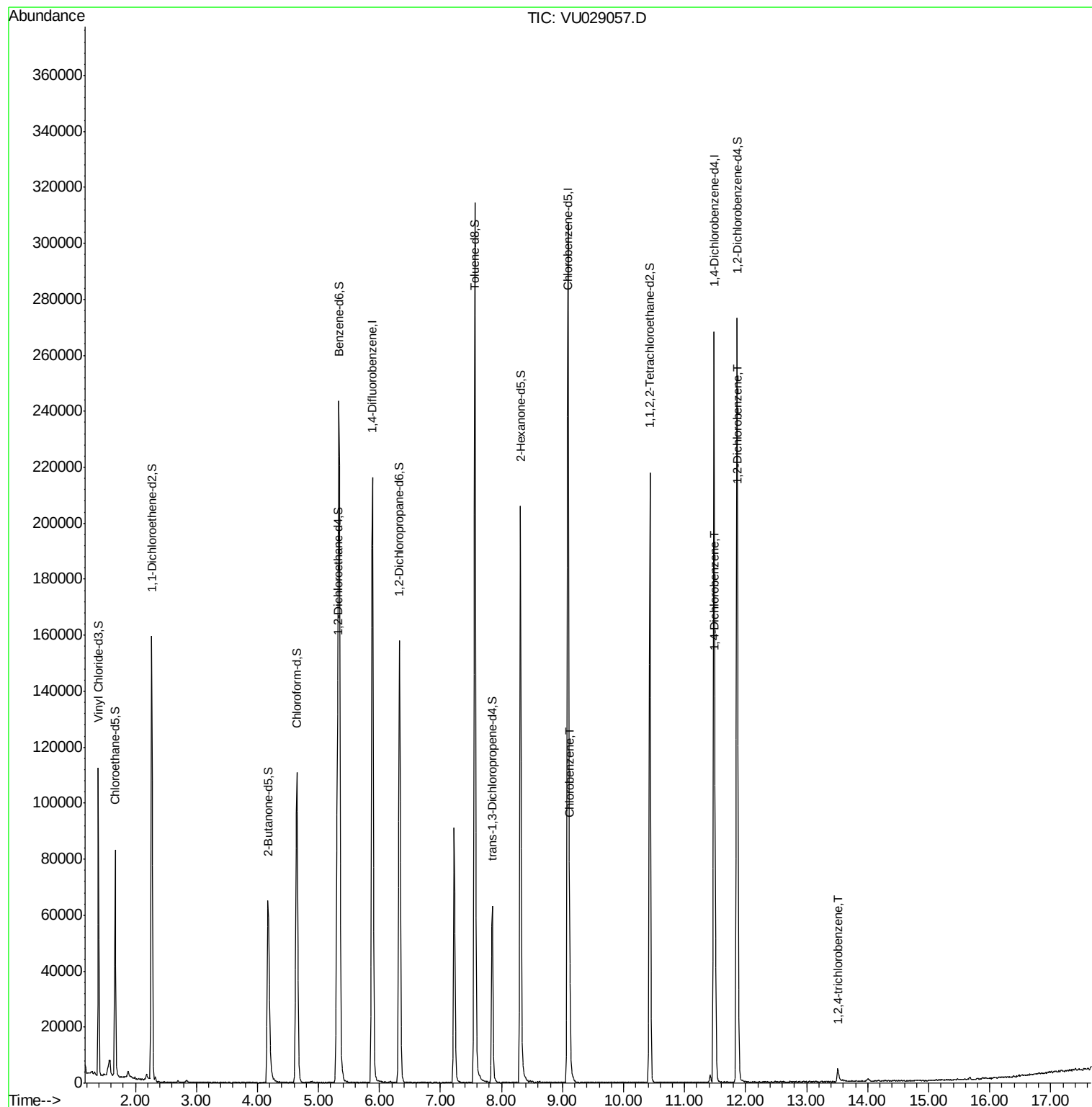
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
51) Chlorobenzene	9.12	112	21948	6.175	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	15213	6.538	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	14055	5.966	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	2606	1.869	ug/L	90

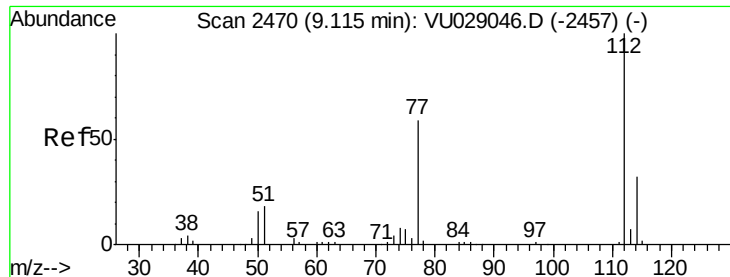
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#51

Chlorobenzene

Concen: 6.175 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

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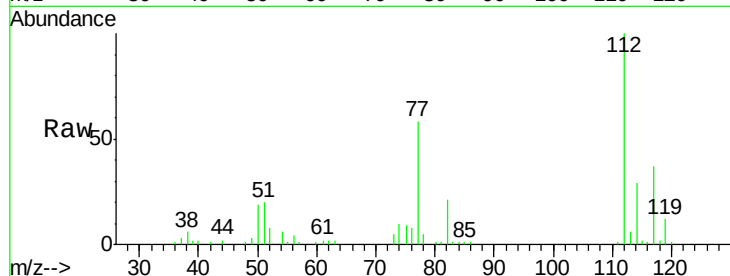
Tot Ion:112 Resp: 21948

Ion Ratio Lower Upper

112 100

114 28.7 22.2 41.2

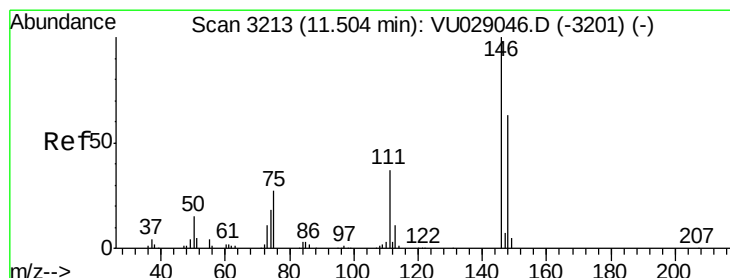
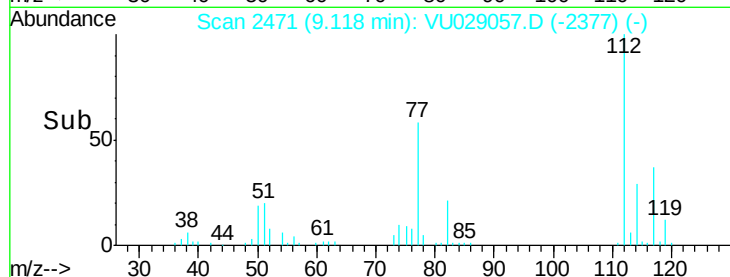
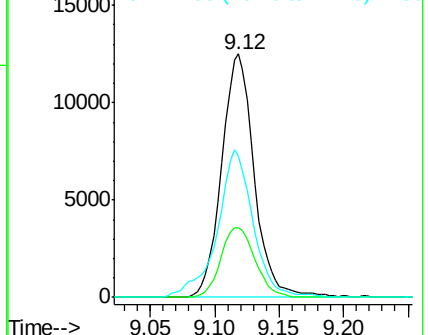
77 58.2 47.8 71.8



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): VU



#63

1,4-Dichlorobenzene

Concen: 6.538 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU029057.D

Acq: 07 Jan 2019 14:11

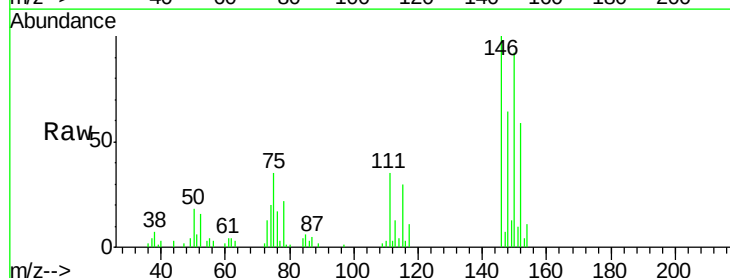
Tgt Ion:146 Resp: 15213

Ion Ratio Lower Upper

146 100

111 35.1 26.5 49.1

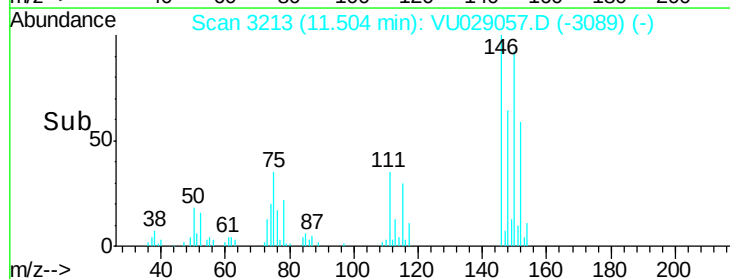
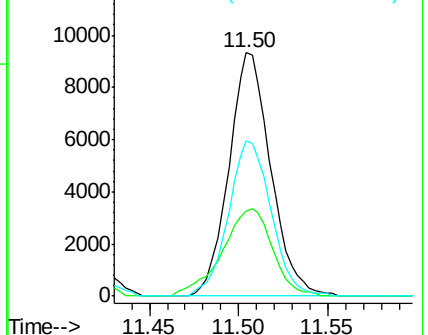
148 64.0 45.1 83.9

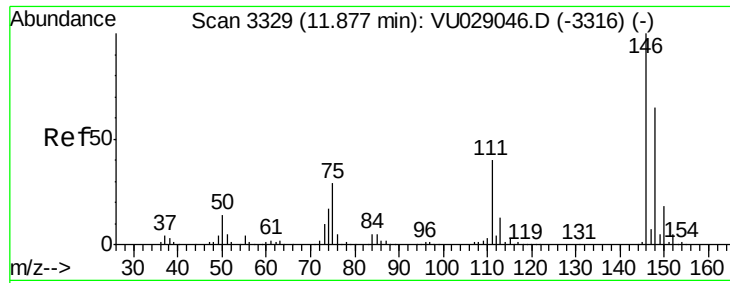


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.966 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

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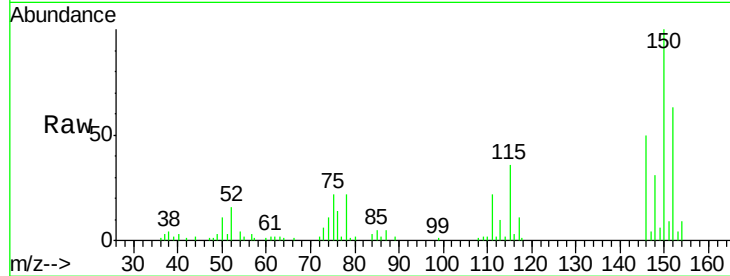
Tot Ion:146 Resp: 14055

Ion Ratio Lower Upper

146 100

111 43.9 32.1 48.1

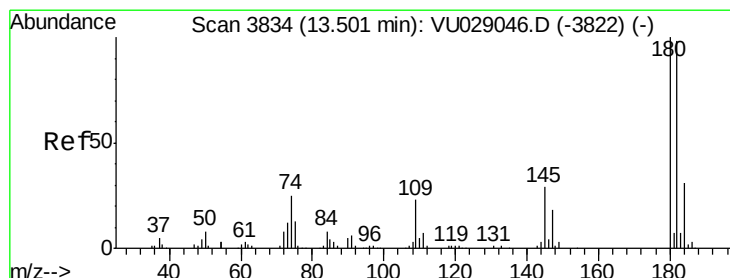
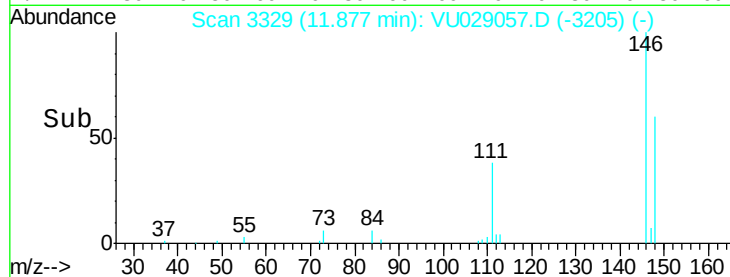
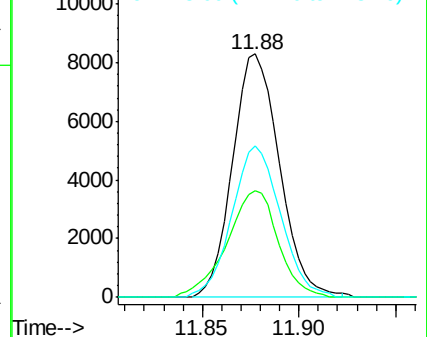
148 62.1 49.7 74.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2,4-trichlorobenzene

Concen: 1.869 ug/L

RT: 13.51 min Scan# 3837

Delta R.T. 0.01 min

Lab File: VU029057.D

Acq: 07 Jan 2019 14:11

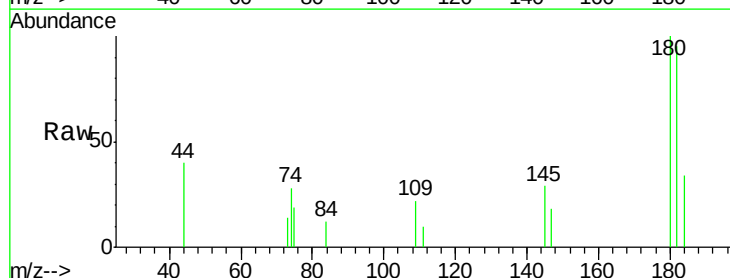
Tgt Ion:180 Resp: 2606

Ion Ratio Lower Upper

180 100

182 106.4 77.4 116.0

145 23.5 23.5 35.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

