

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091818\
 Data File : VU026863.D
 Acq On : 18 Sep 2018 15:37
 Operator : MD/SY
 Sample : J4896-13 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08M8

Quant Time: Sep 19 07:16:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 19 05:05:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	228264	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	216610	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88157	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	73173	43.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.66%
7) Chloroethane-d5	1.68	69	66779	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.27	63	109492	34.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.54%
21) 2-Butanone-d5	4.18	46	128234	114.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.44%
24) Chloroform-d	4.65	84	149275	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
26) 1,2-Dichloroethane-d4	5.31	65	99356	50.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.76%
32) Benzene-d6	5.34	84	305450	50.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.64%
36) 1,2-Dichloropropane-d6	6.33	67	102410	52.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.72%
41) Toluene-d8	7.57	98	253182	46.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.32%
43) trans-1,3-Dichloropropene-	7.85	79	40974	46.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.84%
47) 2-Hexanone-d5	8.31	63	87657	114.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.03%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	140119	51.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.76%
64) 1,2-Dichlorobenzene-d4	11.86	152	99891	54.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.94%

Target Compounds

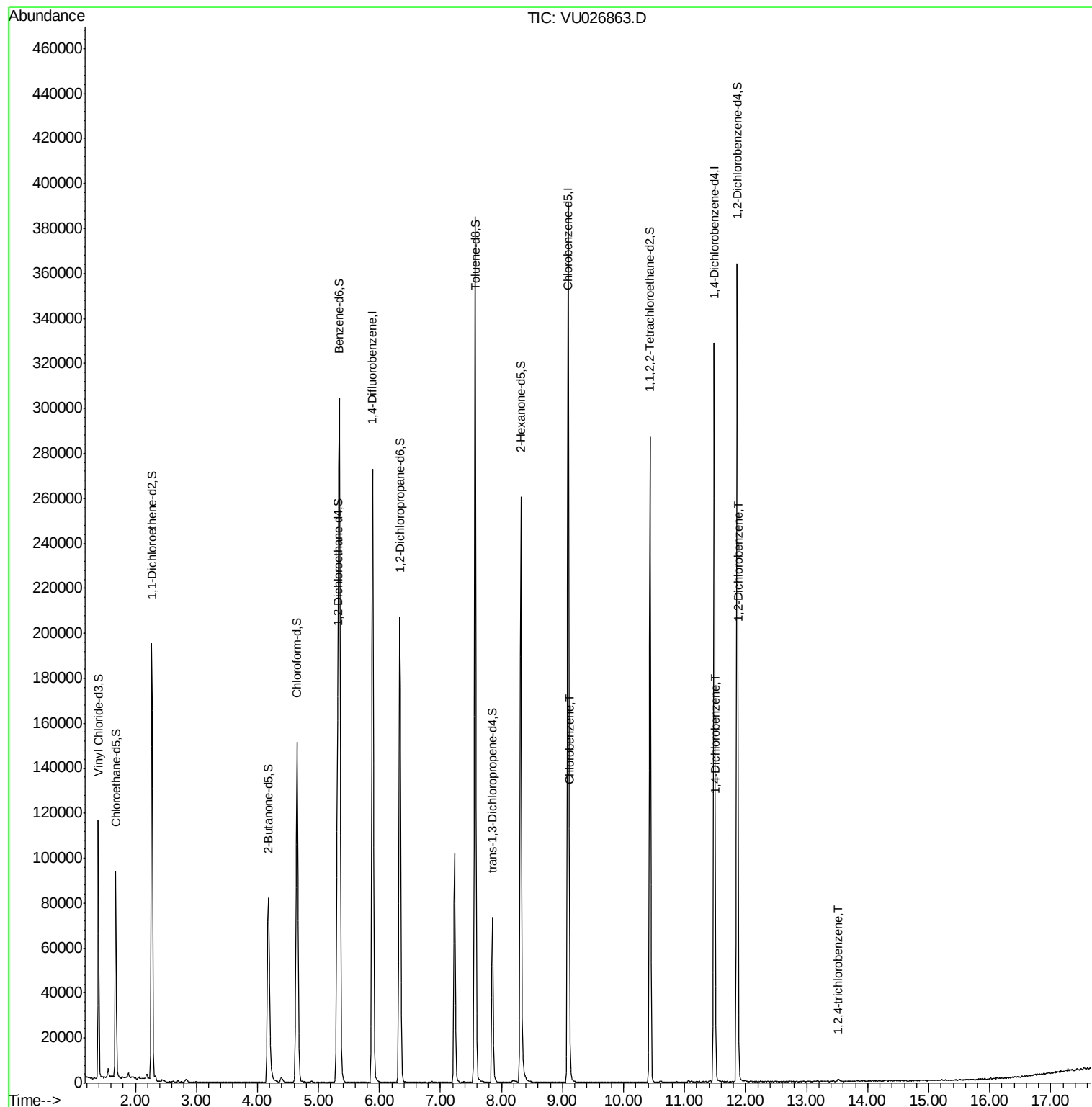
					Ovalue
51) Chlorobenzene	9.12	112	5952	1.291 ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	2159	0.730 ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	2587	0.869 ug/L #	91
68) 1,2,4-trichlorobenzene	13.51	180	773	0.431 ug/L #	78

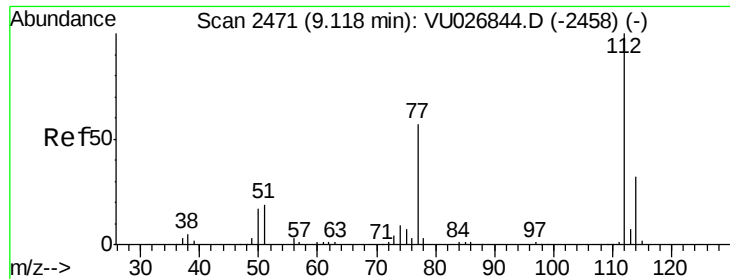
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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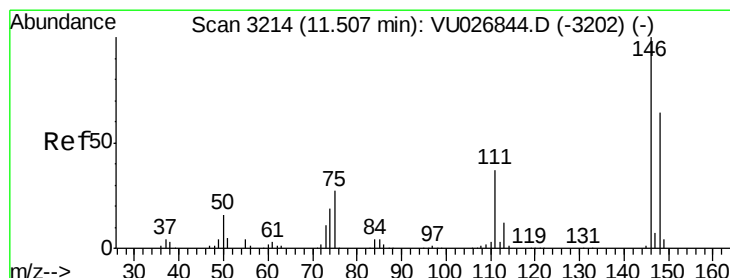
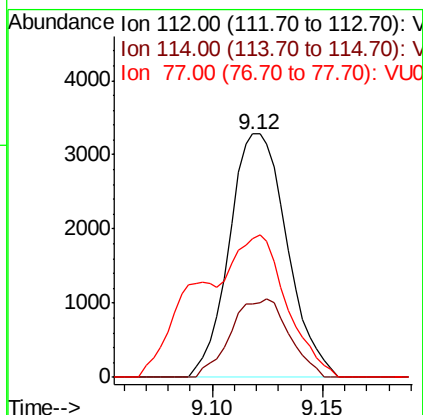
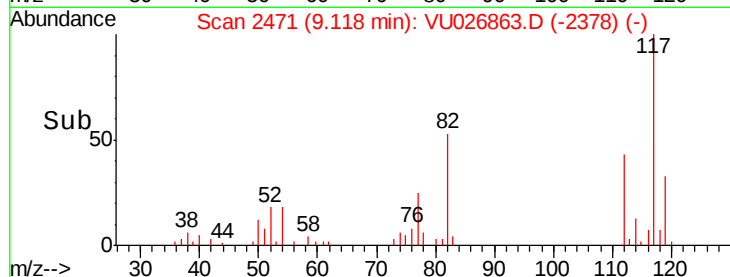
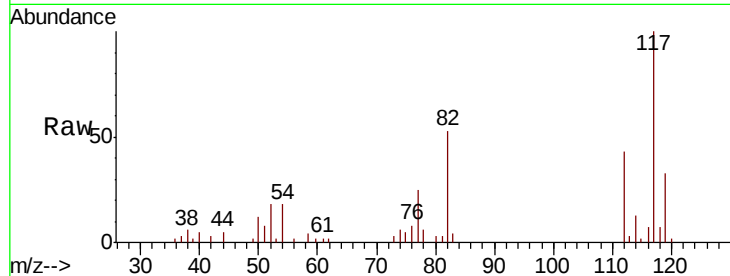




#51
Chlorobenzene
Concen: 1.291 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU026863.D
Acq: 18 Sep 2018 15:37

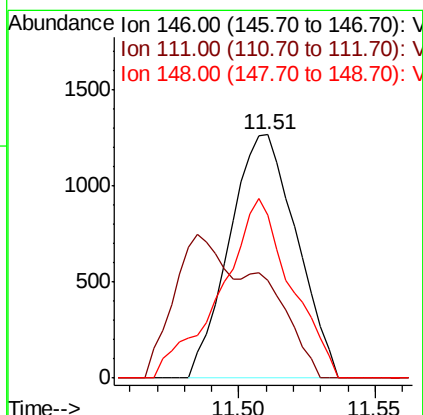
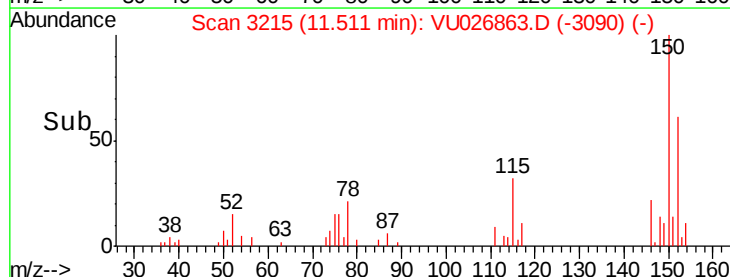
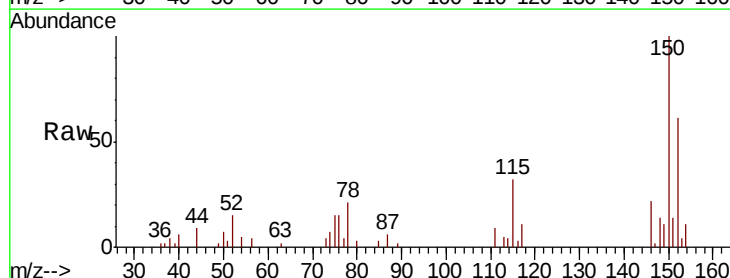
Instrument :
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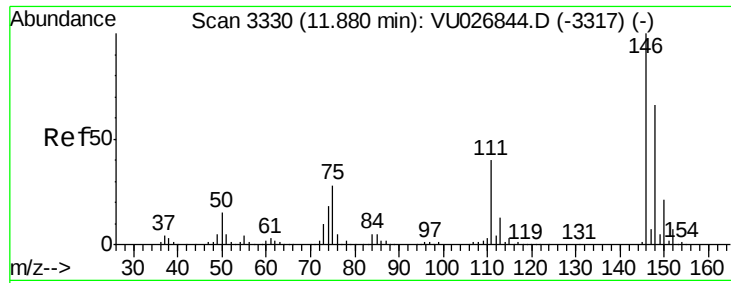
Tot Ion:112 Resp: 5952
Ion Ratio Lower Upper
112 100
114 29.9 22.3 41.5
77 57.1 45.1 67.7



#63
1,4-Dichlorobenzene
Concen: 0.730 ug/L
RT: 11.51 min Scan# 3215
Delta R.T. 0.00 min
Lab File: VU026863.D
Acq: 18 Sep 2018 15:37

Tgt Ion:146 Resp: 2159
Ion Ratio Lower Upper
146 100
111 40.0 26.0 48.2
148 66.8 45.8 85.2





#65

1,2-Dichlorobenzene

Concen: 0.869 ug/L

RT: 11.88 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VU026863.D

Acq: 18 Sep 2018 15:37

Instrument :

MSVOA_U

ClientSampleId :

C08M8

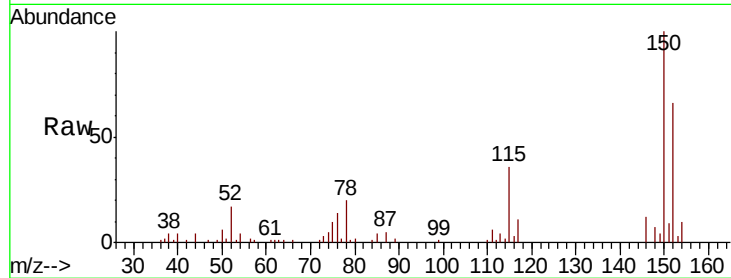
Tot Ion:146 Resp: 2587

Ion Ratio Lower Upper

146 100

111 49.2 31.4 47.0#

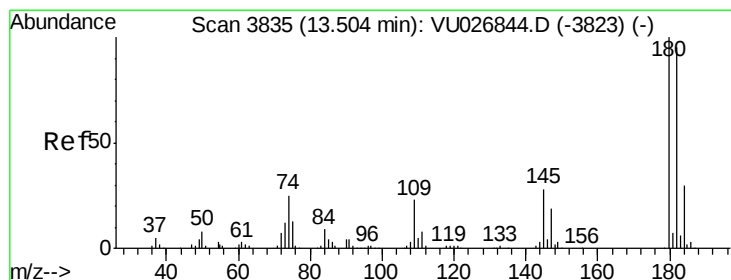
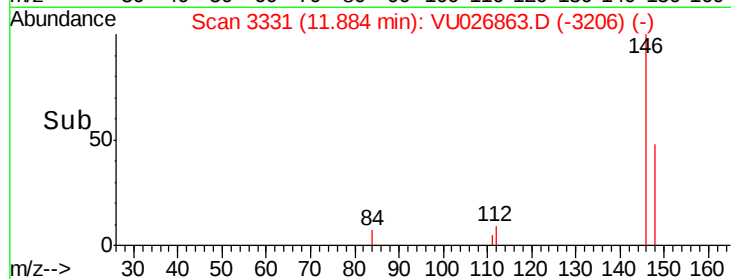
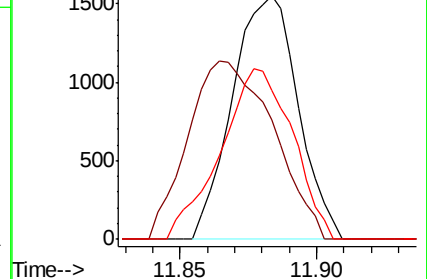
148 61.2 51.4 77.2



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: 0.431 ug/L

RT: 13.51 min Scan# 3837

Delta R.T. 0.01 min

Lab File: VU026863.D

Acq: 18 Sep 2018 15:37

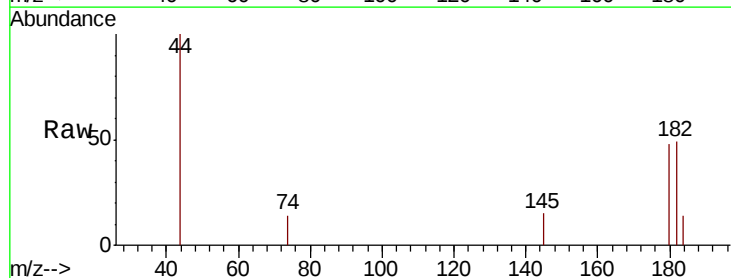
Tgt Ion:180 Resp: 773

Ion Ratio Lower Upper

180 100

182 77.9 76.8 115.2

145 9.3 22.2 33.2#



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

